

dreambox



DM500 HD

Instruction manual

Digital satellite receiver for free and encrypted Digital Video Broadcasting (DVB).

HDTV

Ethernet-Port

DVB-S2 Tuner
Smartcard Reader
Linux OS



dreambox
discover more.

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The Dreambox DM500 HD carries the CE-Sign and fulfills all requirements from the EU.

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Dolby and the Double-D-Symbol are registered trademarks of Dolby Laboratories.

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1. Before initial operation of the receiver

1.1 Safety instructions

Please read the safety instructions completely and carefully, before using the Dreambox.

The Manufacturer takes no responsibility for damages as a result of incorrect handling of the Dreambox.

- Allow enough space around the Dreambox for sufficient ventilation.
- Do not cover the top of the Dreambox and allow enough space to other devices. The louvers of the devices must be free at all times to allow sufficient heat transfer from inside the device. If needed a fan can be added.
- Never put vases or any other liquid filled containers on top of the device. Do not expose the device to dripping or splashing liquids.
- Do not place open flame sources, such as lit candles, on top of the device.
- The device may only be operated in moderate climate.
- Do not remove the cover. Risk of electric shock. If it is necessary to open the device please contact a trained professional.



- Do not put any metal things into the slots or ventilation openings.

Shut down

- In case your Dreambox is in use for a longer period of time disconnect the power plug from the power outlet.
- During thunder storm the unit should also be physically disconnected from the power outlet.

Additional safety instructions

- (Dis-)Connecting to a LNB:
Turn the Dreambox off before you connect or disconnect a cable coming from or going to a LNB.
- Connecting to a TV:
Before connecting or disconnecting your Dreambox to/from a TV please turn it off.
- In case you notice any damage to the power cord or power plug immediately disconnect the device from the power outlet.
- In case the device was exposed to humidity immediately disconnect the device from the power outlet.
- In case you notice any serious damage to the outer shell of the device immediately disconnect the device from the power outlet.

- Do not expose the Dreambox to direct sunlight, lightning or rain.
- Grounding:
The LNB cable must be grounded.
The grounding system must meet SABS 061 requirements.
- Cleaning:
Disconnect the mains power cord before cleaning the cover. Use a slightly damp cloth without cleaning agents.
- Connect the Dreambox only to suitable sockets. Do not allow overloads to occur.
- Please be careful that the batteries of your remote control are not exposed to heat, since they might explode.

Disposal instructions

The packaging of the Dreambox only consists of reusable materials. Please recycle if possible.



This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Please note that empty batteries and electric waste is not to be put into the regular garbage.

1.2 Packaging contents

Please check the completeness of the box's contents.

Included in box:



Dreambox DM500 HD



2 Batteries
(1,5V Mignon / AA / LR6)



Power supply



Remote control



Power Cord



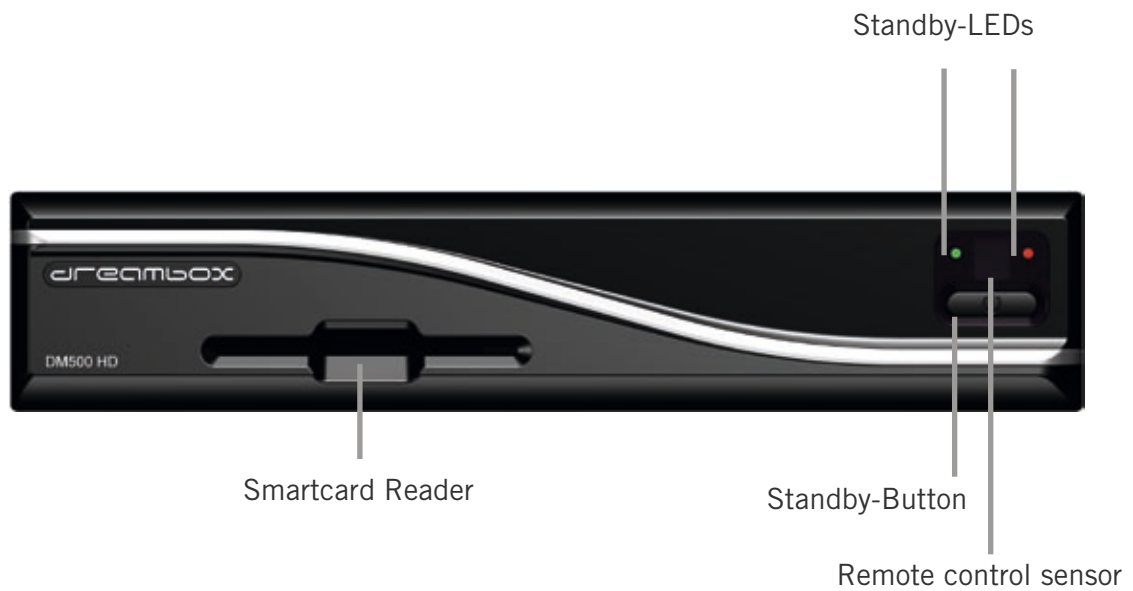
HDMI cable



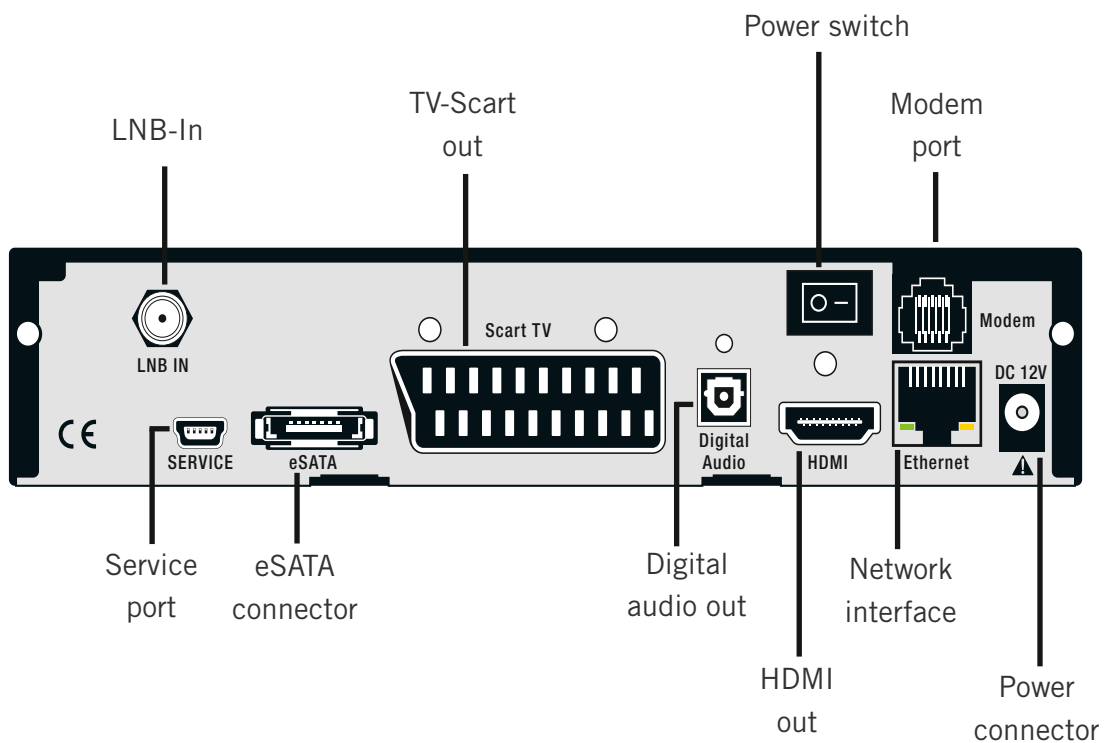
Quickguide

1.3 Views

Front view



Rear view



1.3.1 Explanation Front Panel

Smartcard reader

Insert your Dreamcrypt Smartcard with the golden chip facing down and forward into one of the two Smart-card reader slots. Dreamcrypt is a registered trademark of Dream-Multimedia.

Standby-LEDs

One red and one green LED show the standby status of your Dreambox.

Remote control sensor

The remote control sensor receives the infrared signals of the Dream Remote Control.

Standby-Button

The Standby-Button switches your Dreambox on and off.

1.3.2 Explanation rear panel

LNB-Input (DVB-S2 Tuner)

Connect the coaxial cable from your LNB here.

Service port

The mini-USB Service port is used to update the operating system and to pre-programm you Dreambox using a PC.

TV Scart output

Connect your TV, projector or beamer to your Dreambox using a Scart cable.

eSATA connector

You can connect an external eSATA Hard disk.

Digital audio out (Toslink)

You can connect your Dreambox with an optical (Toslink) cable to your HiFi-Amplifier or DSP. The AC3 signal is also available at this port in case the selected channel transmits Dolby Digital signals.

HDMI output

Use the HDMI cable to connect the HDMI output to the HDMI input of your TV.

Power Switch

The power switch is used to cut all power from your Dreambox.

Network interface

The 10/100Mbit Ethernet port is used to communicate with your Dreambox via HTTP, FTP, NFS, Telnet, SSH and Samba. This port is also used to update the operating system of your Dreambox. Please use a regular patch cable to connect your Dreambox to your LAN.

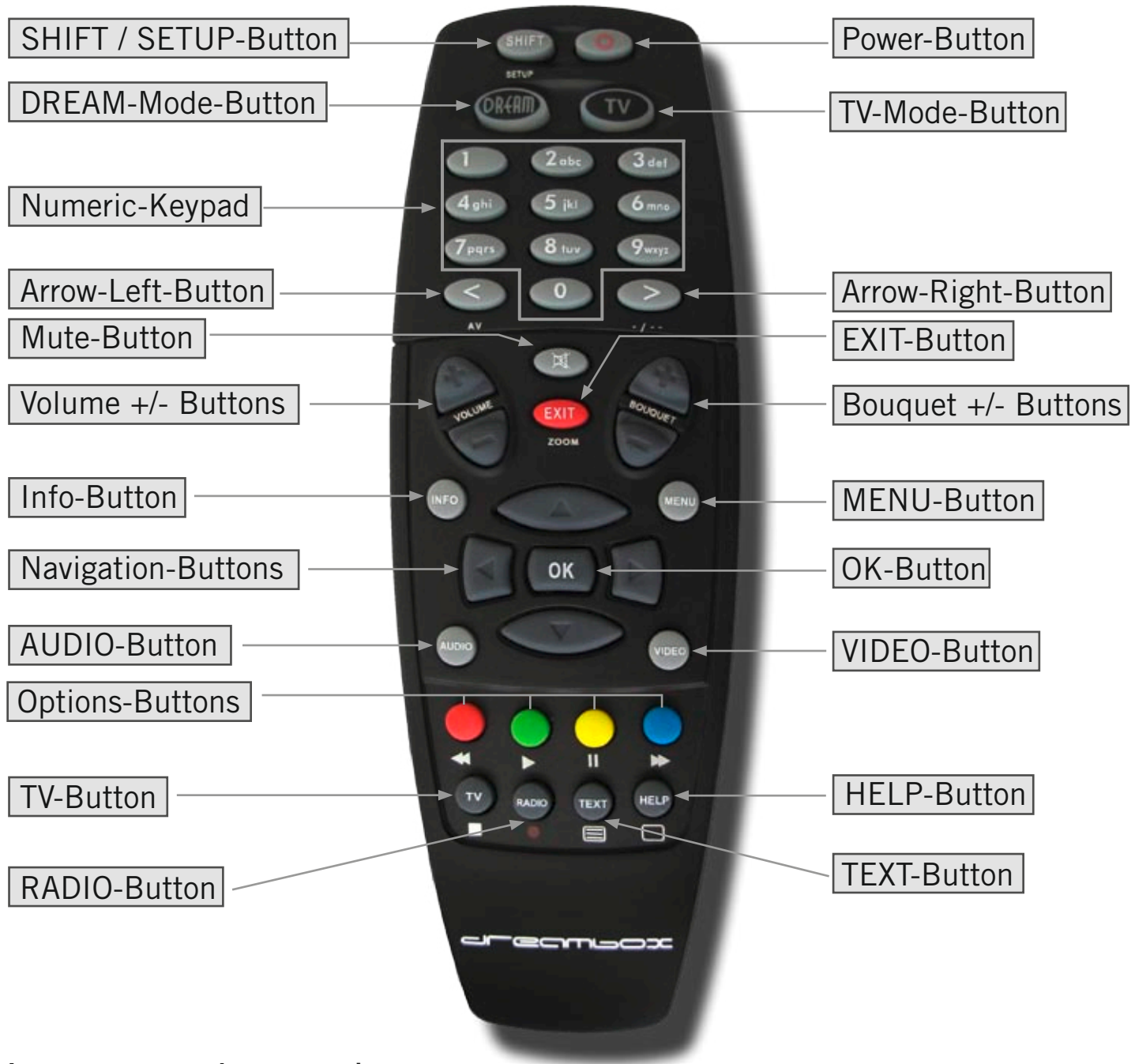
Modem port

The modem port can be used to establish an internet connection using a analog phone line.

Power supply connector

Plug the power cable of the power supply that came with your Dreambox into power outlet. Connect your power supply to your Dreambox. You must not connect the power plug of the power supply to anything other than a socket that supplies 110V/60Hz or 230V/50Hz.

1.4 Remote control



Important notes about operation

All functions of the Dreambox can be controlled via OSD-Menu (On-Screen-Display). This makes the handling of the Dreambox very easy for you. All options are indicated by four colored dots or beams (**red, green, yellow, blue**) in the OSD-Menu and can be started with the Option-Buttons on the Remote Control.

Depending on the chosen Menu, these options do vary.





All Menus and Service lists are closed with the **EXIT-Button**.



In general the menus are controlled using the **Navigation-Buttons** on your remote control.

To get into a submenu you have to press the **OK-Button**.

Explanation remote control buttons

SHIFT / SETUP-Button

The **SHIFT/ SETUP-Button** is used to preprogram the remote control to operate a TV.
See chapter 15. TV-Mode setup.

Power-Button

The **Power-Button** switches your Dreambox on and off.
See chapter 4.1 Turning your Dreambox on and off.

DREAM-Mode-Button

The **DREAM-Mode-Button** switches your remote control into Dreambox control mode. It will shortly light up once your press the button.

TV-Mode-Button

The **TV-Mode-Button** switches your remote control into TV control mode to control your preprogrammed TV.
It will shortly light up once your press the button.
See chapter 15. TV-Mode setup.

Numeric-Keypad

Enter a service number to directly access the option by using the **Numeric Keypad**. The service numbers are on the left side of the service list.

The **Numeric Keypad** can also be used to enter the teletext page number when you are in TV-Control-Mode and if your TV is teletext capable. The TV station has to submit teletext information; otherwise this feature cannot be used.

Arrow-Left-Button

Arrow-Right-Button

The **Arrow-Left** and **Arrow-Right-Button** enable you to jump back and forth between the last 20 channels you have watched. If you have selected a sub service (see chapter 4.6) you can use these buttons to switch to the next sub service. Additionally these buttons can be used to delete characters during text input.

Mute-Button

Pressing the **MUTE-Button** mutes the Volume. A crossed speaker symbol will appear on the TV screen. Pressing it again or pressing one of the **Volume +/- Buttons** brings back the audio.

The Mute-Button deletes a character during text input.

EXIT-Button

You can leave all menus and service lists by pressing the **EXIT-Button**.

Volume +/- Buttons

The **Volume +/- Buttons** control the volume of the audio. Pressing + will make turn it up and pressing - will turn it down.

Bouquet +/- Buttons

Pressing the **Bouquet +/- Buttons** will jump back and forth between the bouquets.

INFO-Button

If no OSD menu is visible on the screen and you are in TV or RADIO-Mode, pressing the **INFO-Button** will reveal the EPG information of the chose channel if it is available.

Navigation-Buttons

In general the menus are controlled using the **Navigation-Buttons** on your remote control. To get into a submenu you have to press the **OK-Button**.

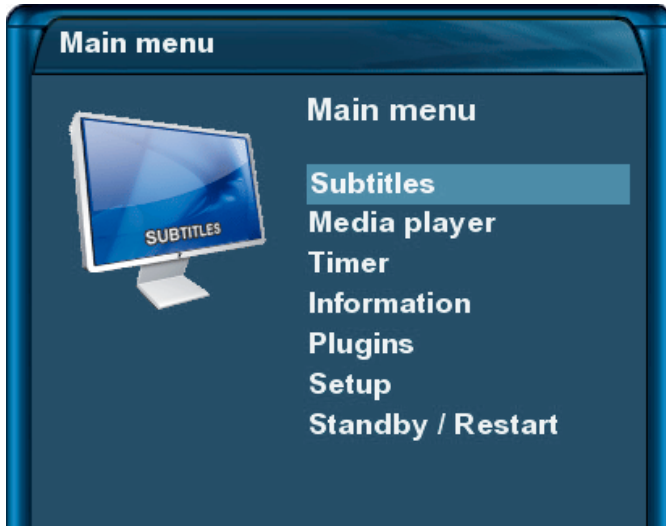
OK-Button

By pressing the OK-Button you confirm a selection in the menu or service list navigation.

If no OSD menu is present on your screen, the infobar is shown once you press the **OK-Button**.

MENU-Button

If you are in TV- or RADIO-Mode, pressing this button will bring up the OSD main menu. The OSD main menu has the following options:



You can switch to the needed option by pressing the **Navigation-Buttons** up or down.

If you are in the service list, pressing the **MENU-Button** brings up the service menu. The shown options may vary depending on the service list you selected.

AUDIO-Button

By pressing the **AUDIO-Taste** you can choose different audio tracks offered by the station.

Options-Buttons

All possible options are shown by the four colored dots/blocks (red, green, yellow, blue) and can be activated by the **Options-Buttons**.

Depending on the menu you currently are in the options will change and will be named differently.

TV-Button

Pressing the **TV-Button** activates the TV-Mode.

HELP-Button

Pressing the **Help-Button** activates the Help-Mode.

RADIO-Button

Pressing the **RADIO-Button** activates the **RADIO-Mode**.

TEXT-Button

The **TEXT-Button** activates the Teletext.

2. Installation

2.1 Turning the device on

- Place the batteries inside the battery compartment of the remote control keeping in mind the right polarity.
- Before using the Dreambox, please read the safety instructions (See chapter 1.1 Safety instructions)
- Connect the LNB or antenna with a coaxial cable to LNB in at your Dreambox.
See chapter 1.3.2 Explanation rear panel.
- Connect the Dreambox to your TV using a HDMI- or Scart-cable.
- Plug in the power cable into the power supply and into a 110V/60Hz or 230V/50Hz power socket. Connect the power supply with your Dreambox.
- If you are using a switchable power socket please shutdown your Dreambox into deep standby before switching off the power socket. See chapter 4.1 Turning your Dreambox on and off.
- If you switch on your Dreambox for the first time, you will see the setup wizard.
The setup wizard will guide you through the first time installation. Follow the instructions on the screen.
See chapter 3. Start wizard.
- Please note that the factory setting for the video format is CVBS (FBAS).

3.Start wizard

The start wizard helps you with the basic setup of your Dreambox.

3.1 Video output selection

You will be shown different video output modes for roughly 10 seconds, after you have connected and switched on your Dreambox. Once you see a clear picture on your TV screen press the **OK-Button** to select it. If you prefer a different output than the selected one you can use the **Navigations-Buttons up/down** and the **OK-Button** to select it.



You can choose from the following video output options:

1. **HDMI**

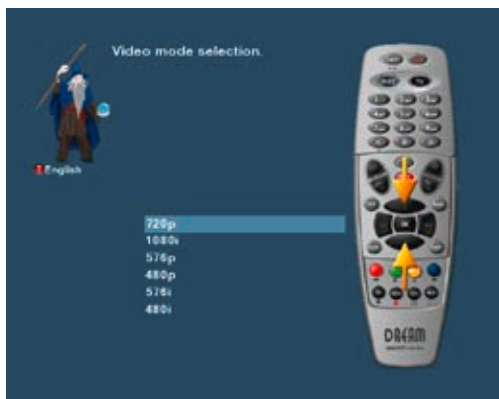
using a HDMI cable

2. **Scart**

using a Scart cable

Select your desired option with the **Navigation-Buttons** up and down. Press the **OK-Button** to activate.

You are taken to the next step.



You can now select the video mode.

The possible options strongly depend on the video output mode you have selected in the step before. To learn more about the options refer to chapter 10.4 A/V Settings.

Select your desired option with the **Navigation-Buttons** up and down. Press the **OK-Button** to activate.

You are taken to the next step.



Finally you can adjust the screen using some test screens.

Select your desired option with the **Navigation-Buttons** up and down. Press the **OK-Button** to activate.

The video output should now be configured.

3.2 Language selection



Select your desired language with the **Navigation-Buttons up** and **down**. Press the **OK-Button** to activate.



The start wizard takes you through the basic setup of your Dreambox.

Press the **OK-Button** on your remote control to get to the next step.



You will be asked if you want to set the basic settings for your Dreambox now or if you want to quit the start wizard.

Using the **Navigation-Buttons up** and **down** select your desired option and press the **OK-Button** to activate your selection.

If you choose "User wizard to setup basic features" you will be taken to the menu for the tuner configuration.

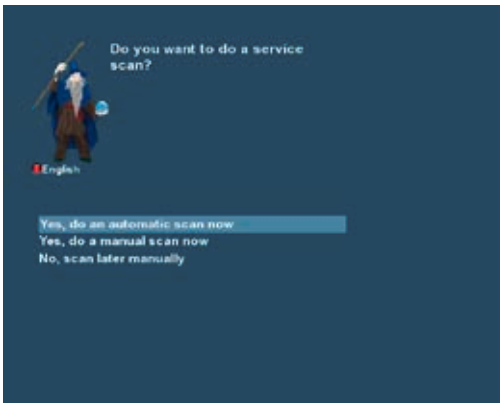
3.3 Tuner setup

Detailed information about the tuner setup can be found in chapter 11.1 DVB-S2 Tuner configuration.



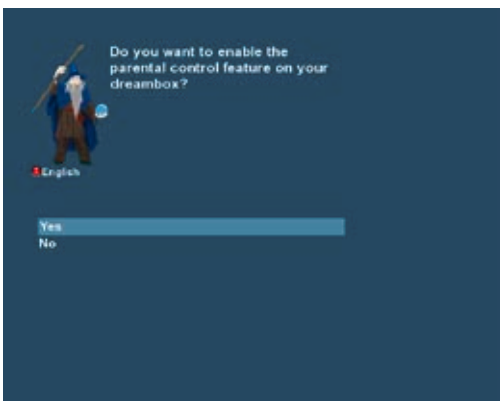
3.4 Default services list/Service scan

Depending on your tuner configuration in the previous step, you might be offered to install default services lists. Otherwise you will be asked to perform a service scan. Detailed information about the service scan can be found in chapter 11.2 Automatic scan.



3.5 Parental Control

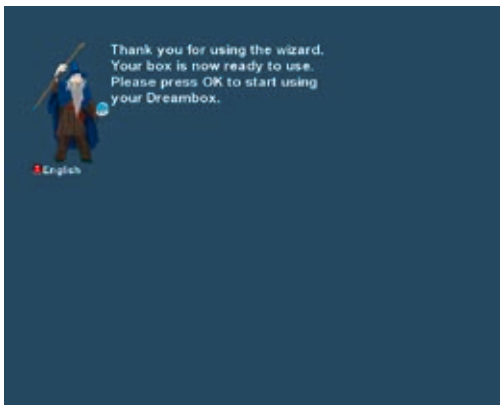
Refer to section 6.7 Parental control for further information about this feature.



Entering the pincode



Finalizing the basic setup



3.6 Network



The network wizard will assist you with the network setup of your Dreambox.

Press the OK-Button on your remote control to get to start the configuration.



Choose the desired network controller using the **Navigation-Buttons up/down** and press the **OK-Button** to select.

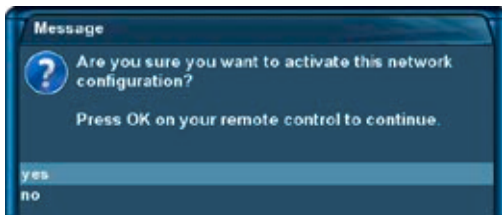


Usually the standard setting (Use DHCP) should work if you have connected your Dreambox to a internet router. The DHCP-Server needed for this setting is most of the time activated by default on a router.

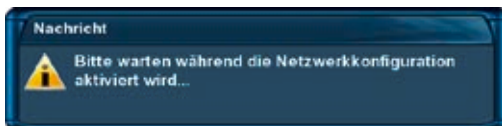
For further information please refer to chapter 10.5 Network.

Press the **OK-Button** on your remote control to get to activate the network device.

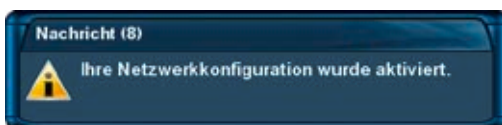
Activating the network



Answer “yes“ by pressing the **OK-Button** to finally activate the network device.



The activation process will take a short while.



Once the activation process is finished you will see the message depicted on the left.

Finalizing the network wizard



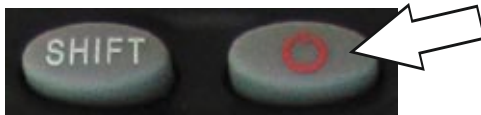
You will see this screen once the activation process was successful. Otherwise you will get the chance to try it once again from the start.

4. Basic operation

4.1 Turning your Dreambox on and off

Use the **Power-Button** to turn your Dreambox on and off.

To put your Dreambox into Standby-Mode either press the **Power-Button** on your remote control or directly on your Dreambox.



Holding down the **Power-Button** on your remote control for three seconds will put your Dreambox into the Deep-Standby-Mode.

You can also put your Dreambox into Deep-Standby-Mode by using the OSD main menu. Choose the Option "Standby / Restart" in the OSD main menu and navigate to "Deep Standby" option afterwards.

Pressing the **OK-Button** will put your Dreambox into the Deep-Standby-Mode. All your settings will be saved now and your Dreambox goes into Deep-Standby-Mode afterwards (saves energy!).



This is the Standby / Restart menu.

Navigate to the desired option and confirm by pressing the **OK-Button**.

Sleep timer:

Put your Dreambox into Standby after a duration of time that can be chosen freely. For more info see chapter 9.

Standby:

Puts your Dreambox into Standby mode.

Restart:

Your Dreambox will be rebooted.

Deep Standby:

Puts your Dreambox into Deep-Standby-Mode.

4.2 Service selection

Pressing the **Left/Right-Buttons** on your Dreambox remote control will take you to the previous or next service.

Pressing the 0 on the Numeric-Keypad will enable you to skip back and forth between the two most recently watched services. This feature is quite useful during commercial breaks since it enables you to watch another channel and quickly check if your movies is back on.

Using the Navigation-Buttons left/right you can switch to the 20 last viewed services.

4.3 Changing channel using the service list



Pressing the **Up/Down-Buttons** on your remote control activates the service list.

Use the **Navigation-Buttons up/down** to select the desired service and press the **OK-Button** to change to the selected service.

4.4 Controlling the volume

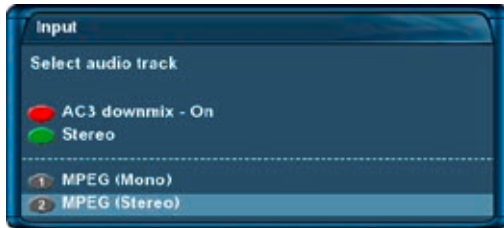


The **Volume +/- Buttons** control the volume of the audio. Pressing **+** will make turn it up and pressing **-** will turn it down.

Pressing the **MUTE-Button** mutes the volume. A crossed speaker symbol will appear on the screen.

4.5 Changing the audio track

Pressing the **AUDIO-Button** in TV or Radio Mode will reveal the “Audio” menu of the selected service.



Use the **Navigation-Buttons** up and down to move to desired audio track. Press the **OK-Button** to select.

The contents of this menu will vary from service to service.

Press the **red Options-Button** to toggle AC3 downmix on and off. See chapter 10.4 A/V Settings for further information.

4.6 Sub Services

The green dot in the Infobar appears if the selected station transmits sub services.



Pressing the green **Options-Button** in TV or Radio mode will reveal the sub services menu.

Use the **Navigation-Buttons** up and down to move to one of the sub services. Press the **OK-Button** to select.

4.7 TV/Radio switching

Pressing the **RADIO-Button** activates the RADIO-Mode. By pressing the **TV- or EXIT-Button** you can quit the RADIO-Mode.

4.8 Teletext

Use the **Text-Button** to enter the Teletext and the **Exit-Button** to leave.

4.9 Subtitles

Press the Menu-Button to enter the main menu. Select “Subtitles” and press the **OK-Button**. A list with the available subtitles will show up. Use the **Navigation-Buttons** up and down to select a desired subtitle and press the **OK-Button** to activate.



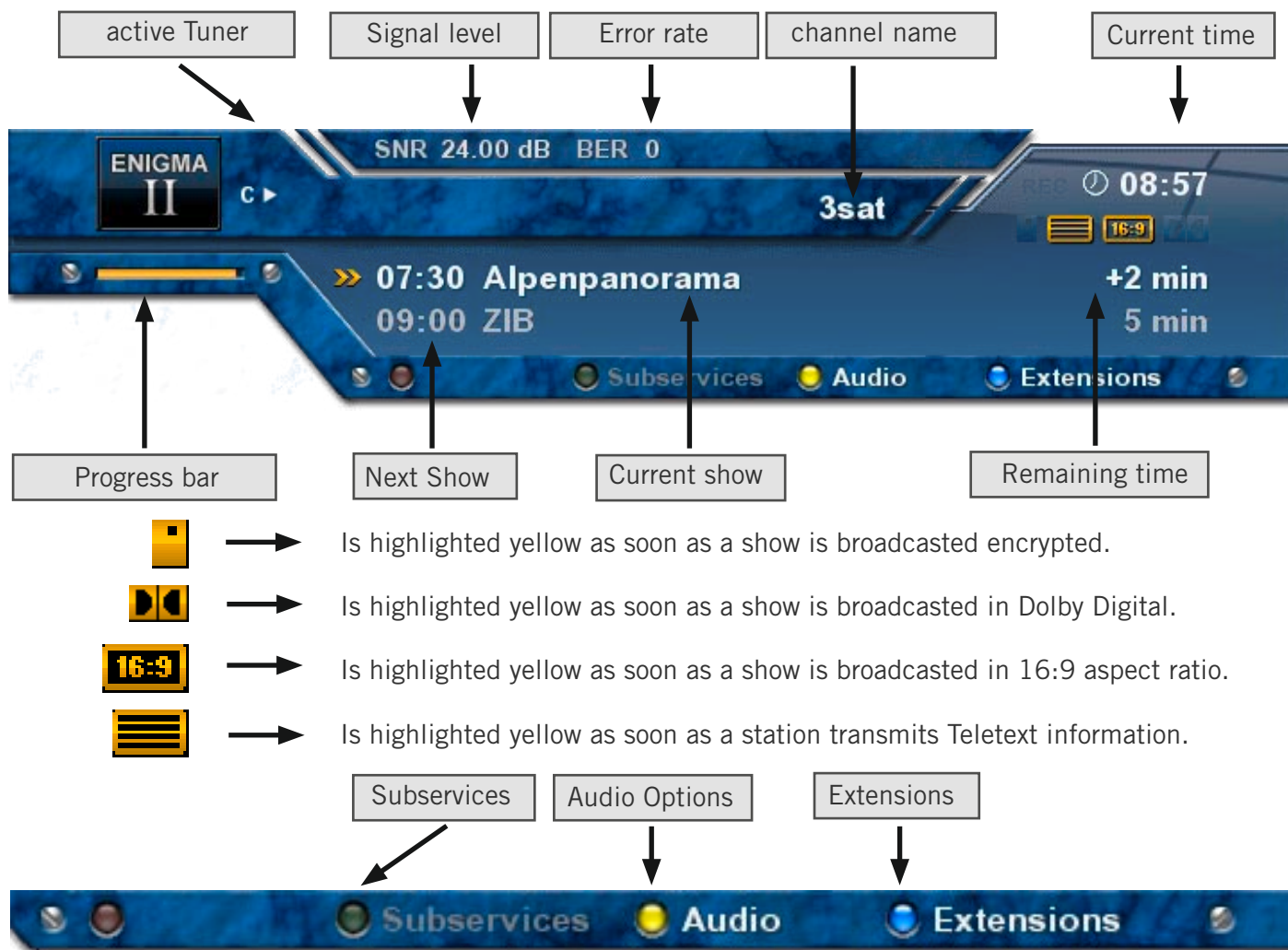
The screenshot on the left shows you an example of how a subtitle looks.

To deactivate subtitles process as described previously, just select deactivate subtitles instead of a subtitle page.

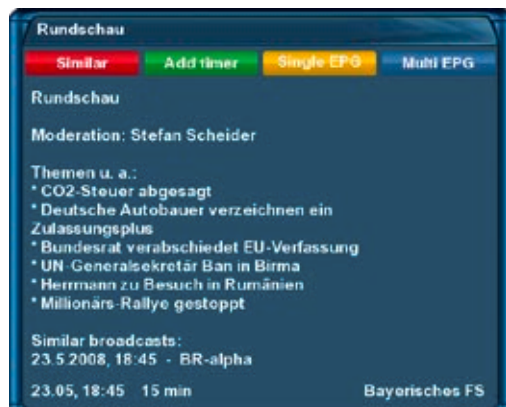
Note: Keep in mind that not every station offers subtitles. If no subtitles are available, the subtitle list will stay empty.

4.10 Infobar

The Infobar appears and disappears by pressing the OK-Button once, if no OSD menu is shown on your screen or when you change channels. The Infobar shows all necessary Information about the selected service.



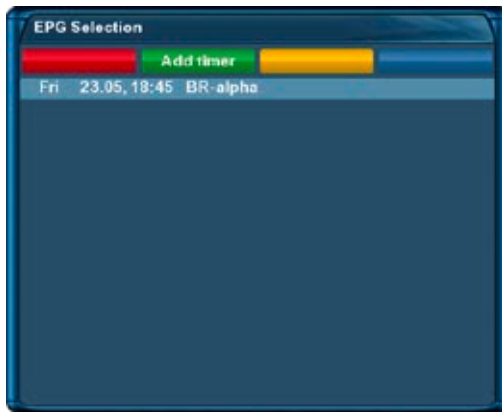
5. Electronic Program Guide - EPG



By pressing the **INFO-Button** in TV-Mode you are supplied with detailed information about the current show and by pressing the Right-Button afterwards about the next show.

Pressing the **yellow Options-Button** activates the "Channel-EPG" (See chapter 5.1) and pressing the blue Options-Button activates the "Multi-EPG" (See chapter 5.2).

The Dreambox automatically searches for similar broadcasts in the background. If one or more similar broadcasts are found the label "Similar" will appear in the red window.



Pressing the **red Options-Button** opens a listing of similar broadcasts.

By pressing the **green Options-Button** you can set a timer for this rerun.

5.1 Single-EPG



In this view you are supplied with detailed information about the currently selected channel's programming.

By pressing the **yellow Options-Button** you can either sort the "Single-EPG" alphabetically or by time.

By pressing the **Arrow-Left-** or **Arrow-Right-Buttons** you can switch to EPG of the previous or next service.

You can also access this view by pressing

1. the **Info-Button** for about 2 seconds
2. the **Navigation-Buttons up/down** to open the services list and then pressing the Info-Button.

This way you can very quickly and easily access the Single-EPG of every service.

5.2 Multi-EPG

Use the **blue** and **yellow Options-Buttons** to switch between the now, next and more views. Pressing the green Options-Button will give you the possibility to automatically copy the start and end time of the selected show into a timer.



If you have set the "Multi bouquets" option to "yes" (see chapter 10.2) a selection of your bouquets will appear. Select the bouquet for which you want the Multi-EPG view.

This view shows the currently airing shows on the services listed in the left column.

A progress bar showing the progress of the currently airing show is placed next to the service's name.

Using the **Navigation-Buttons up** and **down** you can select a service, just like in the service list, and change to the selected service by pressing the **red Options-Button**.

General overview of the following programming.



General overview of the upcoming programming for the following days. (Depending on the station up to one week).



Time/Date Input



Press the **Menu-Button** in the Multi-EPG view.

A window will appear where you can enter a time and date.

After you have entered the desired time and date press the **OK-Button** to activate your selection.

5.3 Graphical Multi-EPG

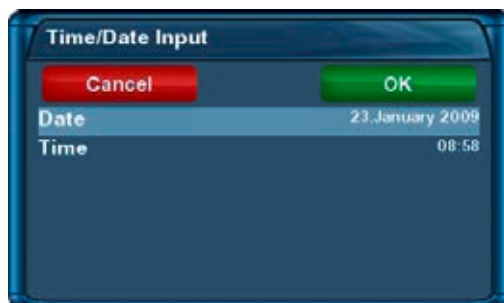
You have another option to view the EPG of different services and successive shows. The Graphical Multi-EPG displays the EPG overview of the upcoming hours (can be set to 1-5 hours with the **Buttons 1-5** on the **Numeric-Keypad**) for the chosen bouquet.

Using the **Navigation-Buttons up/down/left/right** you can browse the shows. More detailed information about the selected show is displayed in the bottom part of the EPG. You can directly set a timer for the selected show, by just pressing the **green Options-Button**.

To access the Graphical Multi-EPG either press the blue Options-Button or press the Info-Button for about 2 seconds and select "Graphical Multi-EPG".



Time/Date Input



Press the **Menu-Button** in the Multi-EPG view.

A window will appear where you can enter a time and date.

After you have entered the desired time and date press the **OK-Button** to activate your selection.

6. Edit the channellist

What is a bouquet?

A bouquet can be thought of something like a folder. Every channel equals a page in this folder and the pages are sorted into categories.

This way you can create a bouquet called "Kids", for example, under which you "file" all children's stations. Another example would be to create a bouquet called "Sports" where you put all sports channels. This way you can create several topic related bouquets.

Note: You can only delete channels in the favorites view!

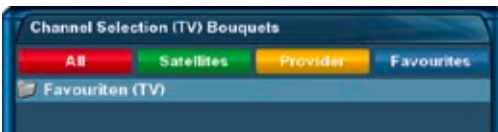
You cannot delete the channels in the “All” view. The use of the “All” view is to keep an internal list of all available stations. If you start a new channel search the result would be saved to the “All” view for example. Your favorites bouquet will stay untouched. This way you can easily add newly found channels from the “All” list to your favorites bouquet. To see how it is done refer to section 6.2.

6.1 Adding a bouquet

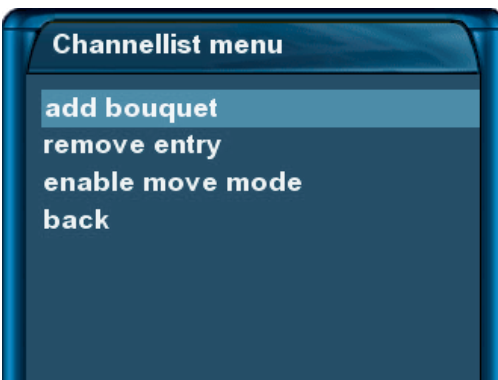


To be able to add a bouquet you have to set the “Allow multiple bouquets” option to yes. Refer to section 10.2.

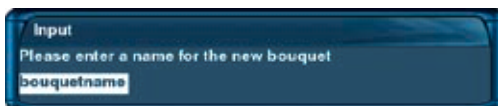
Pressing the **Up/Down-Buttons** on your remote control activates



Press the blue Options-Button to switch to the bouquet view.



By pressing the **Menu-Button** the “Channellist menu” will open up. Navigate to the option “add bouquet”.



Use the **Numeric-Keypad** on your remote control to enter the name for the new bouquet. The according letters are printed on button.

The **Mute-Button** deletes a character.

Press the **OK-Button** to add the new bouquet to your favorites list. You will be taken back to the "Channellist menu".

6.2 Add a service to favorites

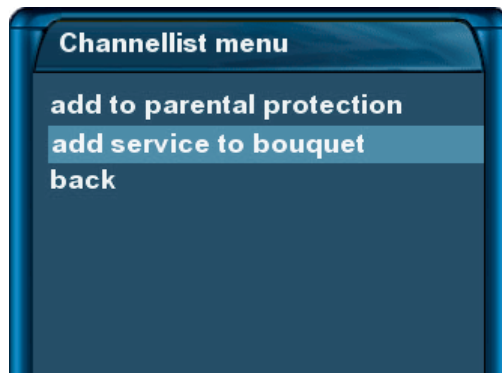
If you want to add a service to your **Favorites-view** you can choose from services in the **All**-, **Satellites**- and **Provider-views**. You can switch views by pressing the **red, green, yellow and blue Options-Buttons**. At this point we only describe the process from the **All-Bouquet** since it is the same for the others.



Pressing the **Up/Down-Buttons** on your remote control activates the service list.

Press the red Options-Button to change to the Allview.

Use the **Navigation-Buttons up/down** to select the desired service and press the **MENU-Button** to open the “Channellist menu”.



Navigate to the option “add service to bouquet”.

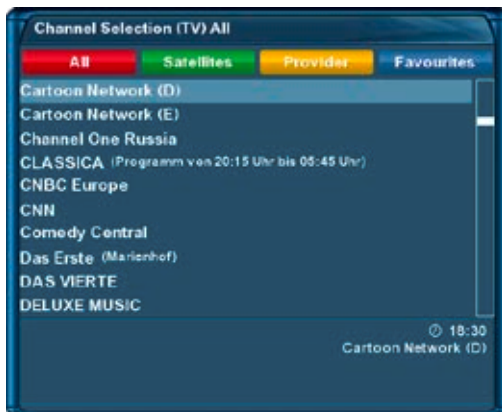
If you are using more than one bouquet this option is named “add service to bouquet” instead and you will get a list of your bouquets afterwards.

You can choose to which bouquet you want to add the currently selected service.

If you are using only one bouquet which is the factory default, the service will be added to you favorites list.

6.3 Adding multiple services to a bouquet

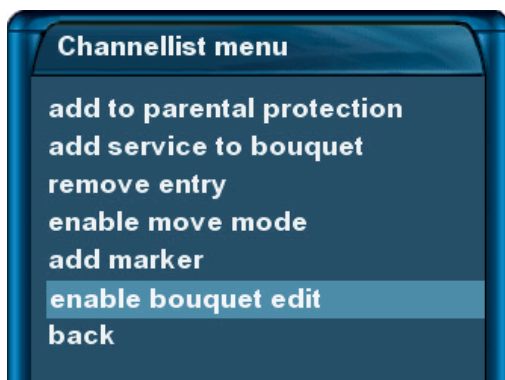
You can select multiple services from the All-view to be added to the currently selected bouquet.



Pressing the **Up/Down-Buttons** on your remote control activates the service list.

Use the **Bouquet +/- Buttons** to switch to the desired bouquet. As an alternative you can press the **blue Options-Button** and select the desired bouquet.

After that select a service and switch to it by pressing the **OK-Button**.



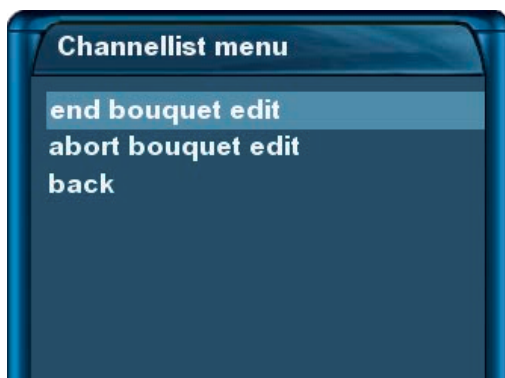
By pressing the **Menu-Button** the “Channellist menu“ will open up. Navigate to the option “enable bouquet edit“. The Allview will open up.



All services that are in the selected bouquet are highlighted red.

Use the **Up/Down-Buttons** to navigate to a desired service and press the **OK-Button** to select. The service will be highlighted red. Using this method you can select additional services that you want to add to the bouquet.

Once you have selected all services that you want to add, press the **Menu-Button**. The “Channellist menu“ will open up.



Choose the “End bouquet edit“ option. All highlighted services will now be added to the bouquet that you selected in the beginning.

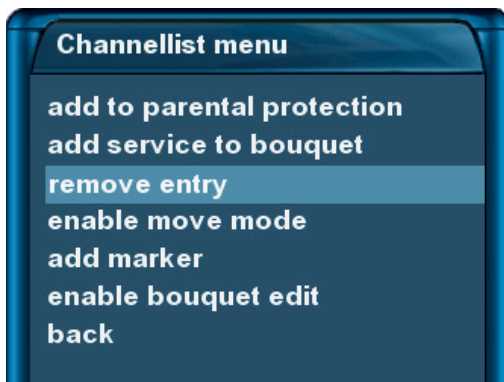
If you are only using one bouquet, which is the default setting, the selected services will be added to you favorites list.

6.4 Remove a service from favorites



Pressing the Up/Down-Buttons on your remote control activates the service list.

Use the **Navigation-Buttons up/down** to select the desired service and press the **MENU-Button** to open the “Channellist menu”.



Navigate to the option “remove service”.

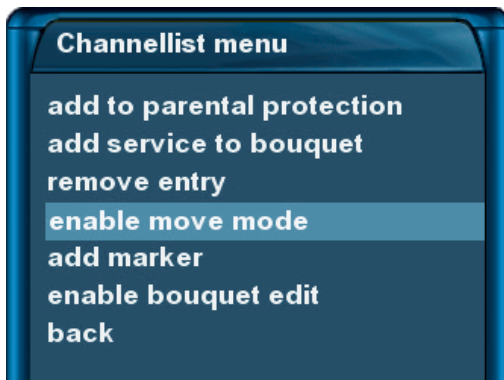
The selected service will be deleted from your favorites list.

6.5 Moving a service to favorites



Pressing the **Up/Down-Buttons** on your remote control activates the service list.

Use the **Navigation-Buttons** up/down to select the desired service and press the **MENU-Button** to open the “Channellist menu”.



Navigate to the option “enable move mode” and press the **OK-Button**.



Use the **Navigation-Buttons up/down** to select the service that you want to move and press the **OK-Button**.

The service will be highlighted red.



Use the **Navigation-Buttons up and down** to move the service to the desired position. Press the **OK-Button** to release the service and thus placing it at it's new position.

You can move services as long as the move mode is activated. To disable the move mode press the **MENU-Button** to get into the "Channellist menu" and chose the option "disable move mode" by pressing the **OK-Button**.

6.6 Adding a marker to favorites

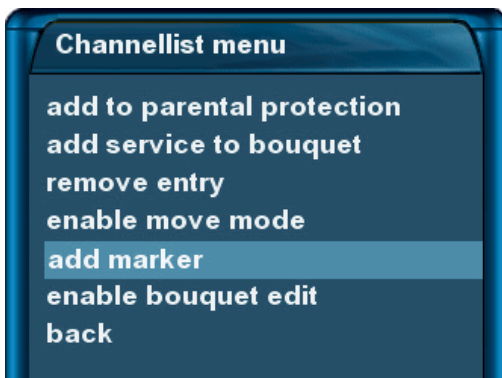
You have the option to add makers within the favorites bouquets.



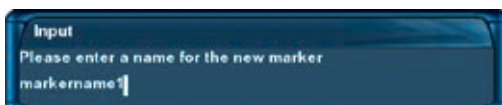
Pressing the **Up/Down-Buttons** on your remote control activates the service list.

Use the **Bouquet +/- Buttons** to switch to the desired bouquet. As an alternative you can press the blue Options-Button and select the desired bouquet.

Select a service. The marker will be added above the selected service.



By pressing the **Menu-Button** the "Channellist menu" will open up. Navigate to the option "add marker".



Use the **Numeric-Keypad** on your remote control to enter the name for the new bouquet. The according letters are printed on button.

The **Mute-Button** deletes a character.

Press the **OK-Button** to add the marker to your favorites list. You will be taken back to the "Channellist menu".



As an example we have added two markers as shown in the picture on the left.

Use the **Arrow-Left** and **Arrow-Right-Buttons** to jump between those two markers.

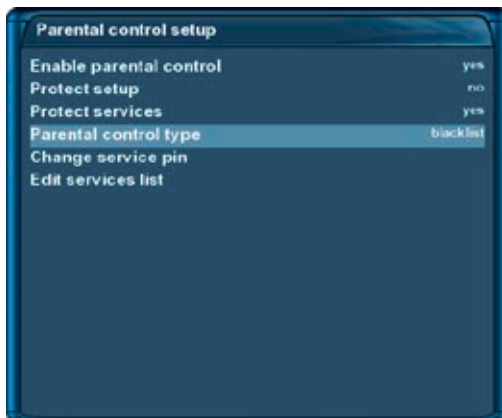
6.7 Parental control

Parental control makes it possible to lock selected channels.

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the “Parental lock” option and press the OK-Button.

- The “Parental control setup” menu will open up.

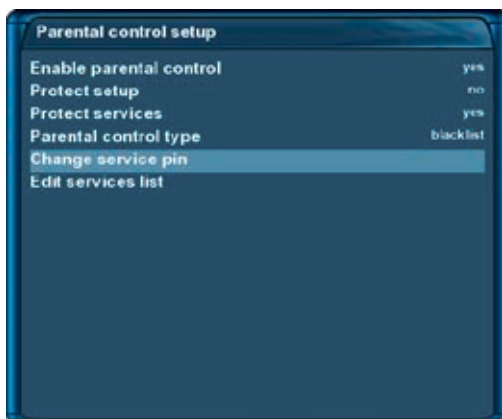


Set the “Enable parental control” option to yes.

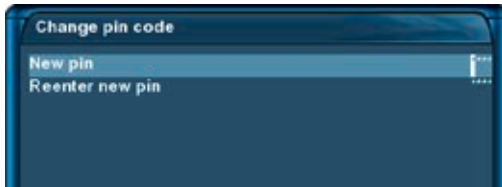
Under the “Parental control type” option you can choose between a blacklist and a whitelist.

Whitelist means that all channels NOT in the parental control list will be locked.

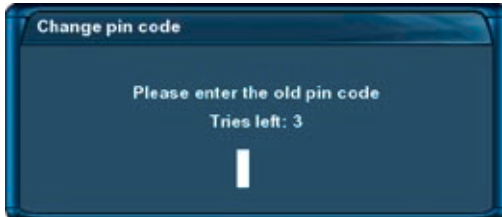
Backlist means that all the channels in the parental control list will be locked.



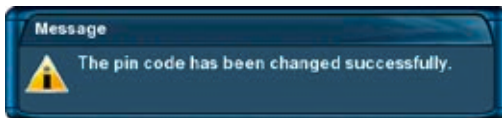
If you want to change the Pincode select the “Change service pin” option and press the **OK-Button**.



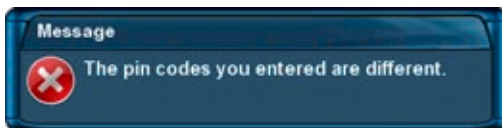
You have to enter the new pincode twice to ensure you didn't make any typing errors.



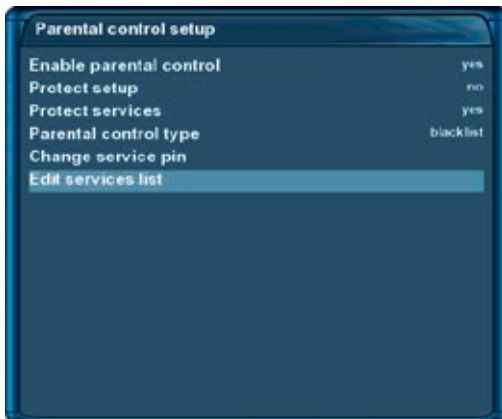
You now will be prompted to enter the old pincode and afterwards the new one.



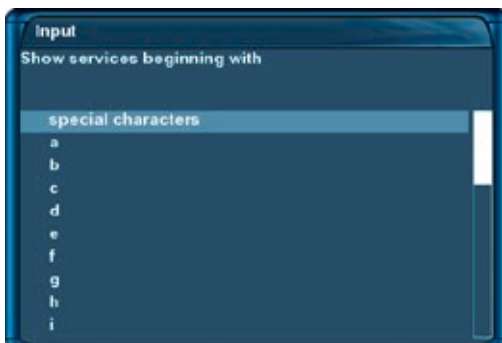
You will see this notice that the pincode has been changed. Press the **OK-Button** to get back into the Parental control menu.



If the entered pincode was false you will see this notice. Press the OK-Button to get back into the "Change service pin" menu and to enter the correct new pincode twice.



Now select the "Edit services list" option and press the **OK-Button**.



Use the **Navigation-Buttons up/down** to select the first letter of the channel that you want to lock or allow and press the **OK-Button**.

In this example we decided to lock the service called "ProSieben". Accordingly we selected the "P" as the first letter.



The Parental control services Editor will open up. All services beginning with the letter P are shown.

Select “ProSieben” and press the **OK-Button**.

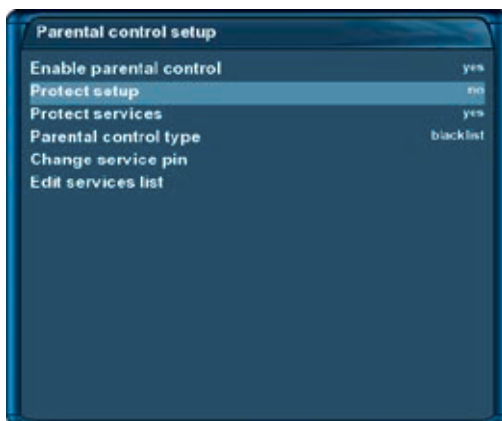


A symbolized padlock will appear in front of the channel letting you know that it can only be watched when the right pincode is entered.

If you have selected whitelist under the “Parental control type” then this channel will be the only one that can be viewed without entering the right pincode.

Protecting the parental lock setup

Additionally you have the option to protect the parental control menu using a pincode.



Setting the “Protect setup” option to yes you will only be able to change parental control setting after you have entered the correct pincode.

Once you entered the wrong pincode three times in a row you have to wait 15 minutes before you can try again.

Note: You can use two different pincodes to protect the setup and the service list.

7. External eSATA Hard Disk

Note: All options described in this chapter are only available if you have connected an external SATA hard disk to the eSATA connector at the rear of your Dreambox DM500 HD.

7.1 Management

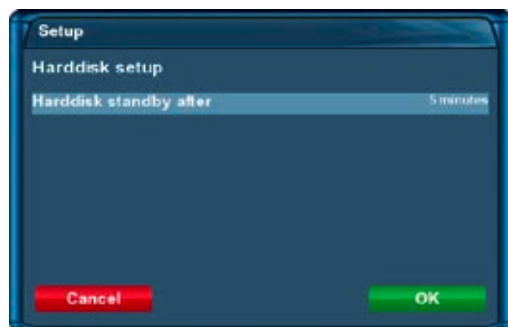
If no OSD menu is visible on your screen, press the Menu-Button to open the main OSD menu. Navigate to the option “Setup” and press the OK-Button to select.

1. Navigate to the option “System” and press the OK-Button

- The “System” menu will open up.

2. Navigate to the option “Harddisk...” and press the OK-Button

3. Navigate to the “Harddisk setup” option and press the OK-Button



You now can set the duration of time after which the harddisk will be put into standby-mode.

You can select from:

- No standby
- 10 or 30 seconds
- 1, 2, 5, 10, 20 or 30 minutes
- 1, 2 or 4 hours

Once you have selected the desired time press the **OK-Button** or the green Options-Button to get back into the harddisk menu.

7.1.1 Initialization

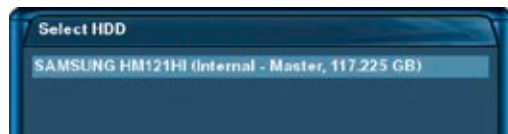
If no OSD menu is visible on your screen, press the Menu-Button to open the main OSD menu. Navigate to the option “Setup” and press the OK-Button to select.

1. Navigate to the option “System” and press the OK-Button

- The “System” menu will open up.

2. Navigate to the option “Harddisk...” and press the OK-Button

3. Navigate to the “Harddisk setup” option and press the OK-Button



Navigate to the desired HDD option and press the **OK-Button**.

If you have connected hard disk this option will differ from the one depicted!



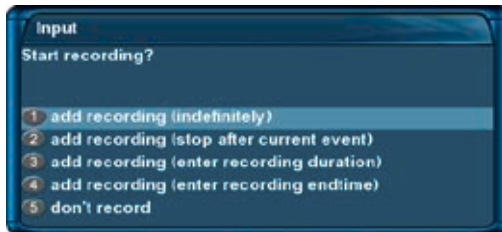
By pressing the **red Options-Button** you will initialize (format) the hard disk. After you confirm the safety question the initialization process starts.

!!! WARNING !!! All data stored on the HDD will be lost.

7.2 Recording

7.2.1 Instant recording

Press the **red Options-Button**.



You have five available options:

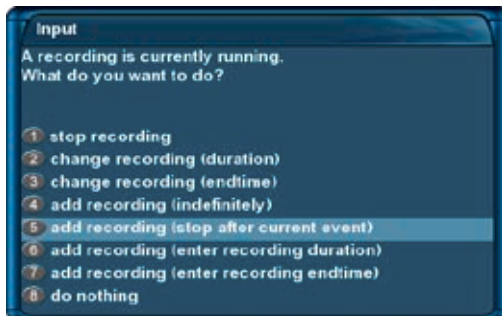
- Add recording (indefinitely)
- Add recording (stop after current event)
- Add recording (enter recording duration)
- Add recording (enter recording endtime)
- Don't record

Use the **up/down-Buttons** to navigate to you desired selection and press the **OK-Button** to select.

A ongoing recording is indicated by a flashing symbol in the Infobar (see chapter 4.10).

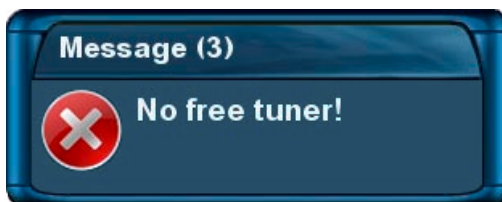
During a recording you can watch another service, view a previously recorded movie or add an additional recording.

The number of simultaneous recordings depends on the number of services residing on a transponder. To see the sevicees on the current transponder open the channel list and go to "Sattelites" --> "Current Transponder" It is possible to make up to four simultaneous recordings.



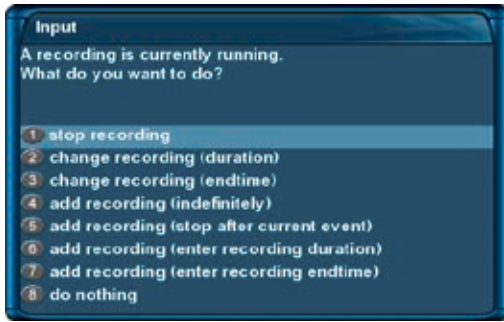
Pressing the **Up/Down-Buttons** on your remote control activates the service list. The recording continues in the background.

Once a recording is started, no matter if manually or by timer (see chapter 7.2.3) it will be signaled by a note on the screen.



If the tuner is busy with one or more recordings and you are trying to access a service not on the curent transponder you will get the "No free tuner" message.

7.2.2 Stop recording



Switch to the service which recording you want to stop.

Press the **red Options-Button**, select the "Stop recording" option and press the **OK-Button** to select.

If you only have one active recording it will be stopped immediately.

If more than one recording is active you will be given the choice which recording you want to stop.

7.2.3 Recording by timer

With the help of a timer you can record shows (if you have a hard disk installed). You are offered two different ways to program a timer, the manual way or via the EPG.

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option "Timer" and press the **OK-Button** to select.



You see the "Timer Editor" menu.

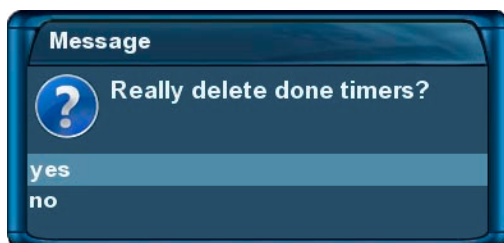
Pressing the **red Options-Button** will delete a timer. The **green Options-Button** adds a timer, the **yellow Options-Button** toggles active on and off (only possible in waiting status) and the blue Options-

Button removes finished timers from the list.

To edit an existing time select it and press the **OK-Button**.

The status of a timer is shown on the right side:

- **waiting** means: still coming up
- **recording means**: recording right now
- **done means**: recording finished
- the red **X** indicates that a timer was deactivated



If you pressed the **blue Options-Button** you will be asked if you really want to delete the finished timer.

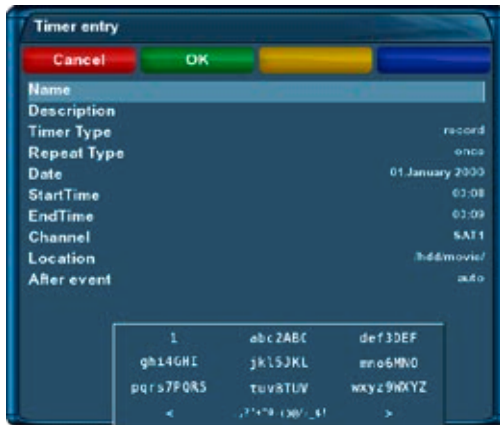
Use the **Navigation-Buttons up and down** to select.

Press the **OK-Button** to activate.

Your Dreambox will be turned on 5 minutes before the recording if a recording is supposed to start while the Dreambox is in Deep-Standby mode.

Note: If your Dreambox is in Deep-Standby mode no timer recordings will be possible.

Manual programming



Press the **green Options-Button** to add a new timer.

You can choose between two different timer types. “Record” to record the desired show or “Zap” to automatically switch to the service.

As repeat type you can choose between “once” and “repeated”.

The repeat type “repeated” offers you the following options:

- **daily**
- **weekly** with choice of weekday
- **Monday through Friday**
- **user defined**

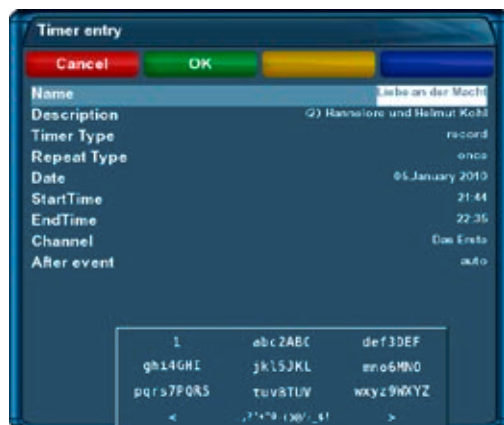
For all four options you can set a date for the first execution of the timer

You can decide what should happen after the recording finishes by selecting the “After event” option. You can choose between

- **auto** to keep your Dreambox in the same state as before the recording
- **do nothing** to keep your Dreambox turned on after the recording
- **go to standby** to put your Dreambox into Standby mode
- **go to deep standby** to shutdown your Dreambox once the timer is done

Set you desired option by pressing the **Navigation-Buttons up/down** and left/right and press the **green Options-Button** to save the timer.

Programming via EPG



Change into one of the EPG views as described in chapter 5.

By pressing the **green Options-Button** you have the option to automatically add the selected show with its start and end time as a timer.

All other options are the same as in the manually added timer.

Press the **green Options-Button** to save the timer.

You will be taken to the "Timer Editor" menu.

7.2.4 Timeshift

Once you started an instant recording you can fast-forward and rewind while recording as long as you have already recorded at least 1 minute long.

Press the **yellow Options-Button** to pause the screen (video and audio will pause). The recording will continue in the background. Press the **yellow Options-Button** again to resume watching.

This way you won't have to miss anything ever again if you quickly have to catch a phone call.

The Timeshift-Mode can be exited by pressing the **TV-Button**.



To ensure the Timeshift-Mode is not stopped by accident you will be asked if you want to quit the Timeshift-Mode.

Use the **Navigation-Buttons up and down** to select.

Press the **OK-Button** to activate.

7.3 Watch a recording



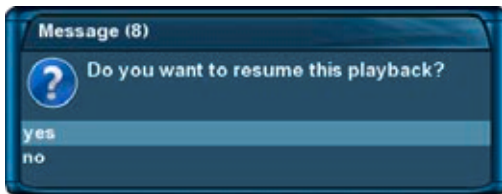
Press the **Video-Button** to get to the selection of recordings.

Use the **Navigation-Buttons up and down** to select a recording.

Press the **OK-Button** to start playing it.

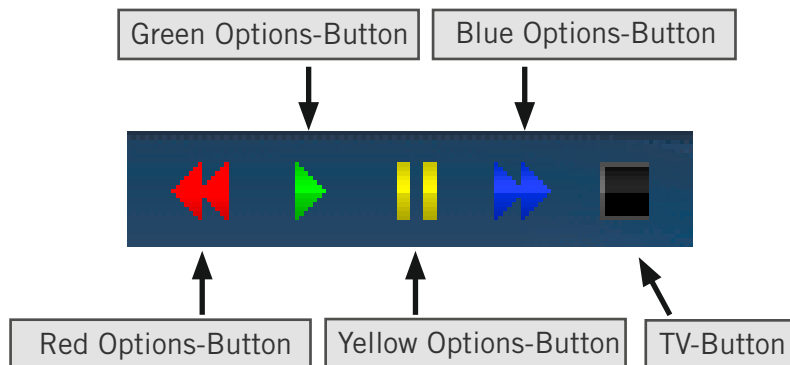
During replay you can see the control symbols in the Infobar.




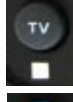

Press the **Navigation-Buttons up and down** or the **Video-Button** to get back to the list of recordings.



If you have previously watched the movie you will be asked to continue where you left off when you start watching it the next time. If you do not make a selection within 10 seconds the window will disappear and the movie starts from the beginning.

In PVR-Mode the Options-Buttons are mapped as described below:



-  **red Options-Button** = Rewind
-  **green Options-Button** = Play
-  **yellow Options-Button** = Pause
-  **TV-Button** = Stop
-  **blue Options-Button** = Fast forward



The PVR-Mode can be exited by pressing the **TV-Button**.

You will be asked if you want to stop the replay of the recording.

If you choose "Yes" you will be taken back to the last channel you were watching.

Skipping in a recording

Button	Time	Button	Time
1	10 sec. back	3	10 sek. forward
4	1 min. back	6	1 min. forward
7	5 min. back	9	5 min. forward

Spooling in a recording

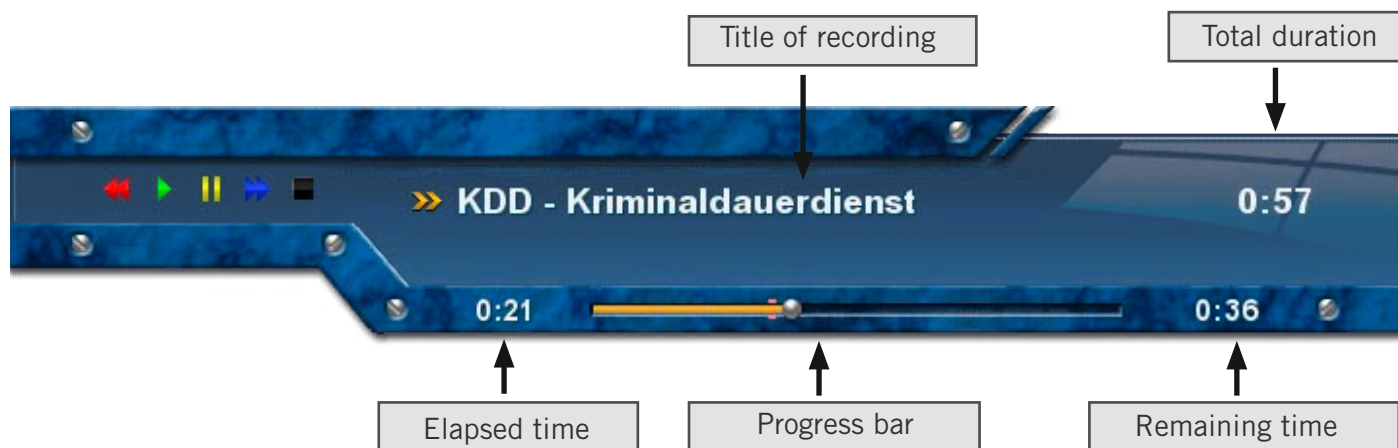
The following speeds for spooling in a recording are available:

- Forward (**blue Options-Button**): 2x,4x,8x,16x,32x,48x,64x,128x
- Back (**red Options-Button**): 8x,16x,32x,48x,64x,128x

Every press on the button increases the speed by one step.

7.4 Setting a marker (Bookmarks)

Fast forward to the point where you want to add a marker and press the **0** on the **Numeric-Keypad**. This will set a marker at the desired point.



The red dashes in the timeline correlate to a marker.

Skip to a marker

You can directly skip to a previously set marker during playback.

Press the **Arrow-Left-Button** to skip to the previous marker and press the **Arrow-Right-Button** to skip to the next marker.

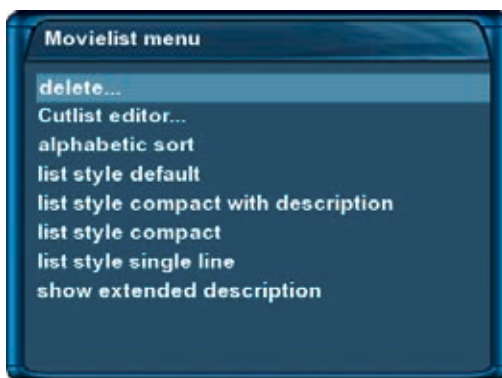
To delete a marker skip to it as described above and press the **0** on the **Numeric-Keypad**.

7.5 Delete a recording

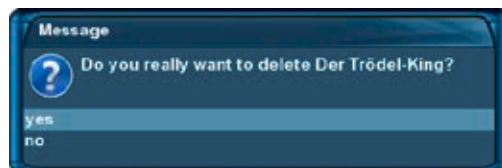


Press the **Video-Button** to get to the selection of recordings.

Use the **Navigation-Buttons up and down** to select a recording.
Press the **Menu-Button**.



Use the **Navigation-Buttons up and down** to select "Delete" and press the **OK-Button**.

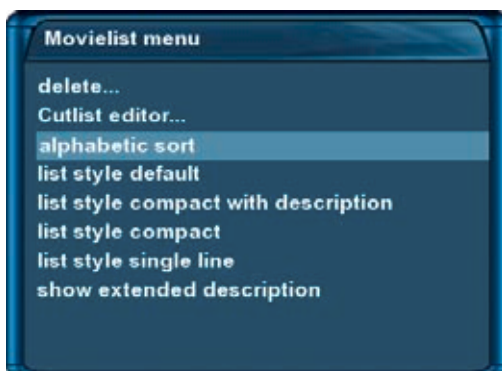


You will be asked if you want to delete the recording.

As a control feature the name of the recording is displayed as well.
Choose "Yes" and you will be taken back to the selection of recordings.

7.6 Movielist options

To access the Movielist menu press the **Video-Button** and then the **Menu-Button**.



Sorting options

You have the choice between two different sorting options:

1. Alphabetic sort
2. Sort by date

List styles

You have the choice between different list styles:

- List style default
- List style compact with description
- List style compact
- List style single line
- Show extended description

List styles



List style default



List style default with extended description



List style single line



List style compact



List style compact with description

8. Teletext

You are in the TV or Radio mode.

Press the Text-Button to enter the Teletext.

Keep in mind that not every station transmits Teletext!

Teletext - regular navigation:

If you are viewing any Teletext page you can enter the interactive mode by pressing the **OK-Button**. Use the **Navigation-Buttons** to select a text page number and press the **OK-Button** to call this page. You don't need to type in a text page number in this mode, but it is still possible.

Press the **EXIT-Button** to exit.

Press the **Mute-Button** a couple of times to toggle between transparent-mode, invisible-mode and full mode. The alpha-mode shows the picture from the running program through the text pages. The invisible-mode shows the complete picture from the running program without exiting the Teletext. The full-mode brings back the text page.

Press the **Volume-up-Button** to toggle between double high from the upper half, double high from the lower half and full view text page.

Press the **Volume-down-Button** to activate or deactivate the PIG-Mode (Picture in Graphics). Same view from Text page and Program picture. (best results are show on 16:9 TV's during 4:3 transmission).



Teletext configuration menu:

If the Teletext page 100 is shown you can press the **MENU-Button** to enter the Teletext configuration menu.

You have the following options:

Teletext - Selection:

Select the "Search" option and press the **OK-Button** to start searching for Teletext information on other services without having to leave the service that you currently are watching. After the search is finished you can use the **Navigation-Buttons** left and right to select the Teletext of another service without having to switch services. Press the **OK-Button** to select the desired Teletext. This option is only available if more than one service on the current satellite transponder actually transmits Teletext information. If this is not the case you cannot make a selection.

Screen format:

Standard mode 16:9 = on/off

Enabling this shows the TuxText in 16:9 Aspect Ratio. Press the OK-Button to enable or disable this option. The default setting is disabled.

Text/TV mode 16:9 = on/off

Enabling this, switches the TV to 16:9 Aspect Ratio if the PIG-Mode is activated with the Volumedown-Button. Press the OK-Button to enable or disable this option. The default setting is disabled.

Note:

On some older 4:3 TV's these Modes may not work. If enabled, it could happen, that your TV switches away from the VCR or A/V socket.

If you are using a 4:3 TV, we suggest not to enable these modes.

Brightness:

Here you can adjust the brightness of your Teletext. Press the Navigation-Buttons left or right to adjust the brightness.

Transparency:

Here you can adjust the transparency value of your Teletext. Press the Navigation-Buttons left or right to adjust the alpha value.

National character set:

automatic recognition = on/off

The national codepage detection is used to display the teletextpages with the right letterset for your location. Press the OK-Button to enable or disable this option. The default setting is enabled. If disabled, use the Navigation-Buttons left or right, to choose your codepage.

For further information see www.tuxtxt.net

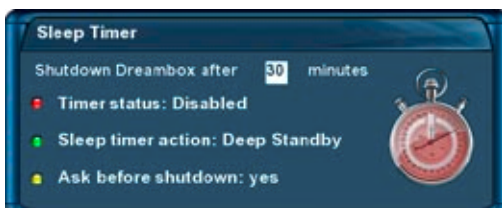
9. Sleep timer

Using the sleep timer you can put your Dreambox into standby or turn it off after a predetermined amount of time.

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option "Standby / Restart" and press the **OK-Button** to select.

1. Navigate to the option "Sleep timer" and press the **OK-Button**.

- The "Sleep timer" menu will open up.



Shutdown Dreambox after:

Set the number of minutes after you wish the predetermined shutdown action to be executed.

Timer status:

Set this option to “enabled” to activate a set sleep timer or to “disabled” to deactivate a set sleep timer. Press the red Options-Button to change the status.

Sleep timer action:

Select “Deep Standby” to completely turn off you Dreambox or “Standby” to put it into standby mode. Press the green Options-Button to toggle the sleep timer action.

Ask before shutdown:

If this option is set to “Yes” a safety window will appear once the sleep timer is executed asking you if you really want to turn off your Dreambox.

Press the **yellow Options-Button** to toggle this option.

Once you have set all options to your liking press the **OK-Button** to save your settings.



A short note will tell you that the sleep timer has been activated.

10. Setup

10.1 Language

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the option “System” and press the OK-Button.
 - The “System” menu will open up.
2. Navigate to the option “Language...” and press the OK-Button.
 - The “Language” menu will open up



Select your desired and language with the **Navigation-Buttons up and down**. Press the **OK-Button** to activate.

The **Exit-Button** will quit this menu.

10.2 Customize

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

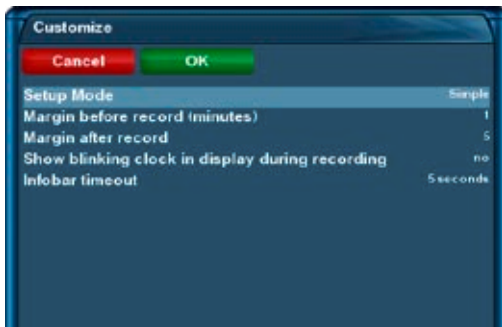
1. Navigate to the option “System” and press the **OK-Button**.
 - The “System” menu will open up.
2. Navigate to the option “Customize...” and press the **OK-Button**.

Setup modes:

There are three different user modes: Simple, Intermediate and Expert.

This gives you the possibility to set the level of options to your needs. Intermediate is the default setting. We will not explain the expert mode in detail in this manual.

Simple mode:



Margin before record (minutes):

Set the desired forerun in minutes for a recording.

Margin after record:

Set the desired lag in minutes for a recording.

Show blinking clock in display during recording:

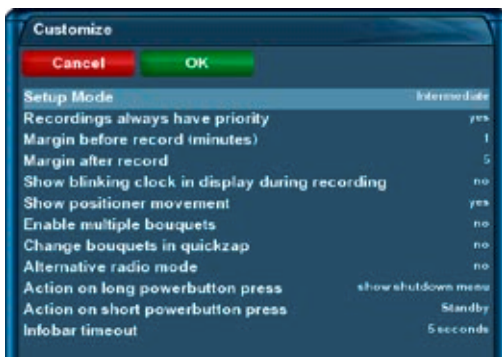
Select whether you want the time in the OLED-Display to blink during a recording or not.

Infobar timeout:

Set the desired time after which you want the Infobar to disappear. You can choose between one and ten seconds or “no timeout”.

Intermediate mode:

These settings supplement the settings in simple mode.



Recordings always have priority:

If this option is set to “Yes” your Dreambox will automatically switch to the service which is supposed to be recorded incase there is a conflict with an existing timer.

If you set this option to “No” you will be asked if you want to switch to the service which is supposed to be recorded.

Show positioner movement:

If you own a satellite dish with a positioner you can see a flashing symbol of a satellite dish on your screen if you set this option to “yes”.

Enable multi bouquets:

Set this option to “Yes” if you want to use multiple bouquets.

Change bouquets in quickzap:

If this option is set to “Yes” you will automatically be taken to the next bouquet while changing channels once you have reached the end of one bouquet.

Alternative radio mode:

Set this option to “Yes” if you want the handling in the Radio mode to be the same as in the TV mode.

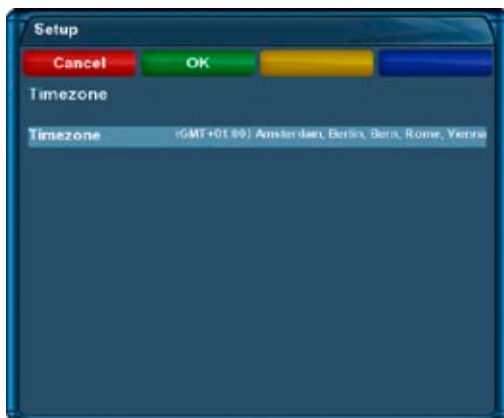
Action on long powerbutton press:

Set your desired option what is supposed to happen if you push the **Power-Button** for a few seconds. The possible options are “show shutdown menu” and “immediate shutdown”.

10.3 Setting the time zone

If no OSD menu is visible on your screen, press the Menu-Button to open the main OSD menu. Navigate to the option “Setup” and press the OK-Button to select.

1. Navigate to the option “System” and press the **OK-Button**.
 - The “System” menu will open up.
2. Navigate to the option “Timezone...” and press the **OK-Button**.



The “Time zone” menu will open up.

Use the **left/right-Buttons** to select the desired time zone.

Press the **green Options-Button** to save the setting or the **red Options-Button** to discard them.

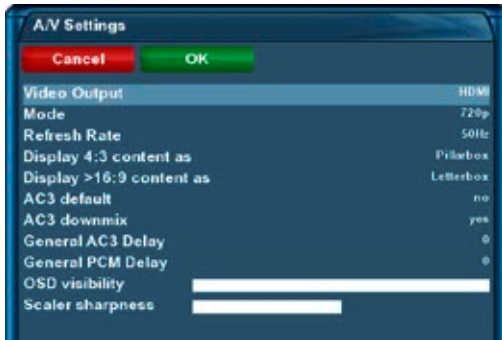
10.4 A/V Settings

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the option “System” and press the **OK-Button**.

- The “System” menu will open up.

2. Navigate to the option “A/V settings...” and press the **OK-Button**.



Video output:

This option selects to which output the video signal will be sent to.

HDMI

If you have connected your TV to the HDMI output of your Dreambox set the “Output type” option to HDMI.

Scart

If you have connected your TV to the Scart output of your Dreambox set the “Output type” option to Scart.

Mode:

Use the Navigation-Buttons left/right to select the desired screen resolution.

Display 16:9 content as:

Pillarbox

4:3 shows will be shown in full height on a 16:9 screen and you will have black bars on both sides.

Pan&Scan

4:3 shows will be shown in full width on a 16:9 screen and a bit will be cut off on the top and bottom.

Just Scale

4:3 shows will be shown in full height on a 16:9 screen and are stretched to fit the width of your screen.

Nonlinear

Only the outer parts of the picture are stretched to prevent the center from being distorted. You will still have a full screen picture.

AC3 default:

If a program is transmitted with an AC3 audio track (e.g. Dolby Digital), the Dreambox switches automatically to this audio track.

Volume control of AC3 signals only works if AC3 downmix is activated. Please keep in mind that AC3 downmix will disable the output of real AC3 signals on every audio out, even on the S/P DIF output.

AC3 downmix:

If you're watching a show with a AC3 audio track it will be changed into a stereo signal. Set this option to "yes" if you have an AV-Receiver that does not support Dolby Digital.

General AC3 Delay:

Using this option you can set a delay for the AC3 signal. This is useful if the AC3 sound is heard too soon or too late compared to the video on the screen. The set value will be used for all services. Using the **Navigation-Buttons left/right** you can set the delay in 25ms increments.

General PCM Delay:

Using this option you can set a delay for the PCM signal. This is useful if the PCM sound is heard too soon or too late compared to the video on the screen. The set value will be used for all services. Using the **Navigation-Buttons left/right** you can set the delay in 25ms increments.

OSD visibility:

Use the Navigation-Buttons left/right to set the transparency of the OSD.

Scaler sharpness:

Using the **Navigation-Buttons left/right** you can adjust the sharpness of the picture.

These options are only available if the output type is set to "Scart":

Mode:

Scart

Select the standard supported by your TV screen. This is usually either PAL or NTSC. If you own a TV screen which supports both modes you can also select the Multi option. Your TV screen will automatically switch depending on the input signal. These options are only available if the output type is set to "Scart".

Aspect ratio:

Automatic (Standard)

4:3 shows will be shown as 4:3 and 16:9 shows will be shown as 16:9.

4:3

Display 16:9 content as:

Letterbox

16:9 programs will be displayed on 4:3 TV's with black bars at top and bottom.

Pan&Scan

16:9 programs will be zoomed to full height on 4:3 TV's, parts of the picture on the left and right side will cut off.

Just Scale

4:3 shows will be shown in full height on a 16:9 screen and are stretched to fit the width of your screen.

16:9 und 16:10:

Display 4:3 content as:

Please see previous page.

Color format:

CVBS (FBAS), RGB (Red, Green, Blue separated), SVideo (Color- and Brightness signal separated).

WSS on 4:3:

Check the checkbox to disable zooming on some 16:9 TV's during 4:3 transmissions.

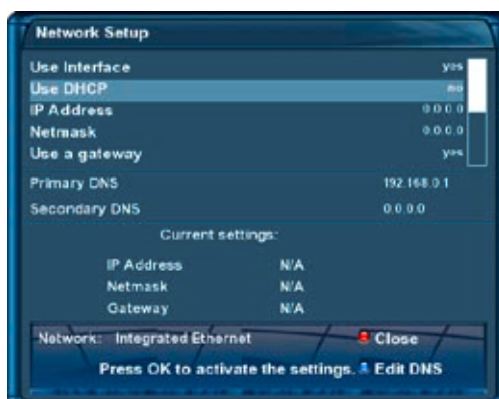
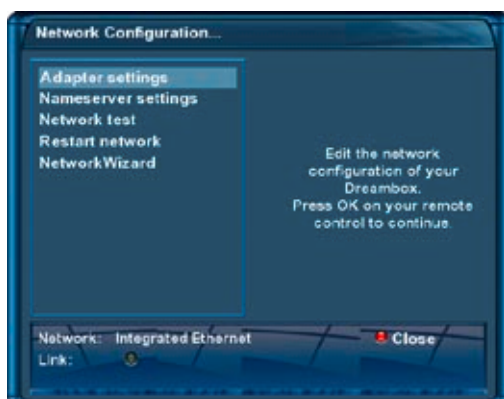
10.5 Network

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option "Setup" and press the **OK-Button** to select.

1. Navigate to the option "System" and press the **OK-Button**.
 - The "System" menu will open up.
2. Navigate to the option "Network..." and press the **OK-Button**.

Integrated Ethernet

Select "Integrated Ethernet" and press the **OK-Button**. Select the "Adapter settings" option and press the **OK-Button**. Use the **Navigation-Buttons** and the **Numeric-Keypad** to change the settings.



Adapter settings

Use interface:

This options toggles the integrated ethernet interface on and off.

Use DHCP:

If set to "yes" your Dreambox will get its IP from a DHCP server. If you are using a router to access the internet you usually have a DHCP server. Disable this option to set a static IP address.

Manually setting an IP address

These settings are only needed if you have selected "no" on the "Use DHCP" option before.

IP Address:

You can assign any IP address to you Dreambox. The only exception is the 192.168.0.1 IP since it usually is reserved for you internet router and should therefor not be used.

Free IP addresses: **192.168.0.2 - 192.168.0.254**

Netmask

Enter the subnet mask which usually is **255.255.255.0**

Netmask

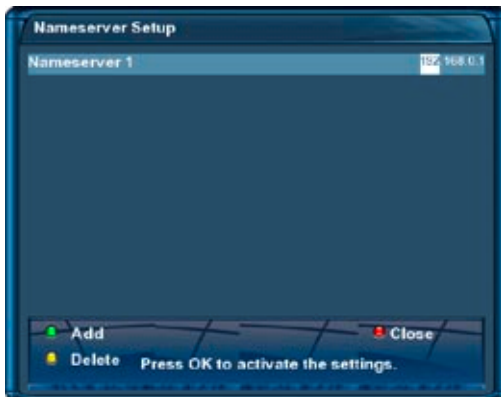
Enter the subnet mask which usually is **255.255.255.0**

Use a gateway:

Set this option to “yes” and enter the IP address of the PC or router in your network with internet connectivity. Ususally this is: **192.168.0.1**

To save the settings and activate the network connection press the **OK-Button**.

Nameserver settings



Note: If you have set the “Use DHCP” option to “yes” you won’t have to enter anything here since this will be done automatically.

Nameserver:

Enter the DNS-Server’s IP address of your LAN here. DNS is used to translate a Domain name to an IP address. Normally, if the Type is set to LAN, there is no need for a DNS entry. If the Dreambox is connected to the Internet over a router, enter the router’s IP address here.

Press the **green Options-Button** if you want to add a seconds nameserver and the **yellow Options-Button** to delete a namesever. You can enter a maximum of two nameservers.

Network test

The network test will assist you in finding possible sources of error in your network configuration. Press the **green Options-Button** to start the test or to repeat it. Press the **yellow Options-Button** to abort the test.

Once the test has finished you can get additional information and help to every subitem of the test. Use the **Navigation-Buttons up/down** to select and item and press the **OK-Button**.



before the test



after a successful test

Restart network

Reboots the network configuration of your Dreambox.

Network Wizard

The network wizard will assist you with the setup of you network.

10.6 Skin

Selecting another skin will change the looks of your OSD(On-Screen-Display).

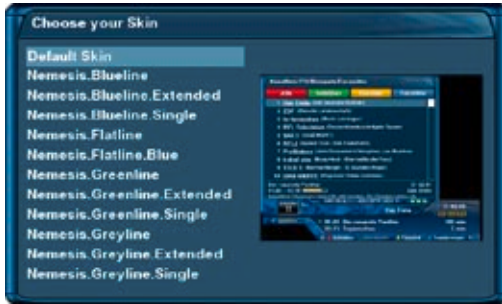
If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the option “System” and press the **OK-Button**.

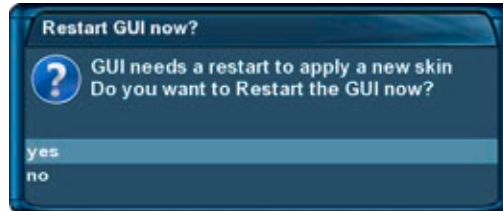
- The “System” menu will open up.

2. Navigate to the option “Skin” and press the **OK-Button**.

- The “Skin” menu will open up.



Navigate to your desired skin and press the **OK-Button**.



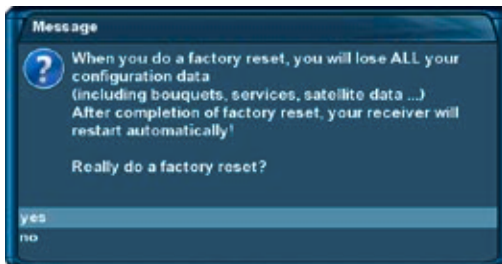
To fully activate the skin the system needs to be restarted.

Use the **Navigation-Buttons up/down** to select your desired option and press the **OK-Button**.

10.7 Factory reset

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the option “Factory reset” and press the **OK-Button**.



You are asked if you really want to reset all you settings to the factory defaults.

If you choose “yes“ all you configuration data including bouquets, satellite data, etc. will be lost.

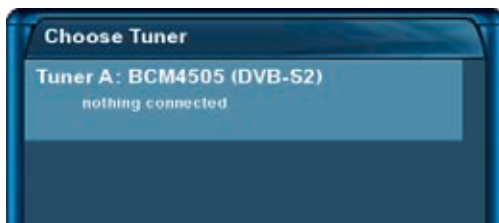
Your Dreambox will automatically reboot afterwards.

11. Service searching

11.1 DVB-S2 Tuner configuration

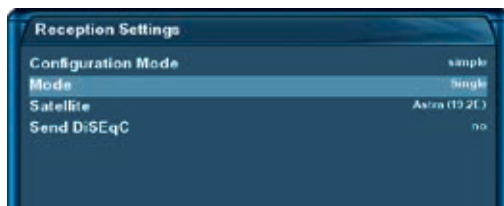
If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the option “Service searching” and press the OK-Button.
 - The “Service searching” menu will open up.
2. Navigate to the option “Tuner configuration” and press the OK-Button.
 - The “Choose tuner” menu will open up.
3. Use the Navigation-Buttons up and down to select the DVB-S2 tuner and press the OK-Button.



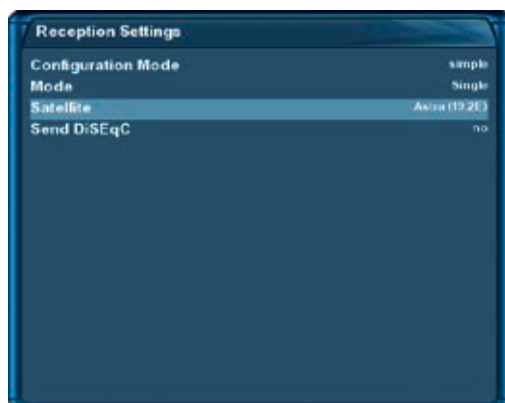
11.1.1 Single satellite – direct connection

Use this type of configuration if you want to receive a single satellite with a Single Universal LNB. The coax cable is directly connected from you Dreambox to the LNB. Please read the section 11.1 DVB-S2 configuration to learn how to get into this menu.



The “Reception settings” menu will open up.

Use the **up/down-Buttons** to navigate to the “Mode” option and use the **left/right-Buttons** to select “Single”.



Navigate to the option “Satellite”.

Use to the **Navigation-Buttons** left and right to select the desired satellite and press the **OK-Button**.

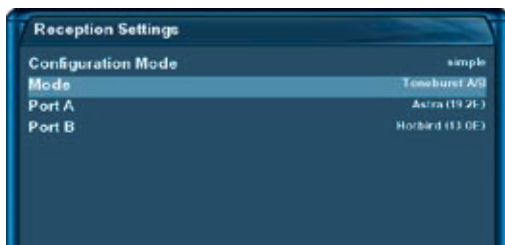
You are taken back to the “Choose tuner” menu.

If you have trouble with “Tune failed” messages please set the “Send DiSEqC only on sattelite change” to “yes”.

11.1.2 Two satellites via Toneburst A/B

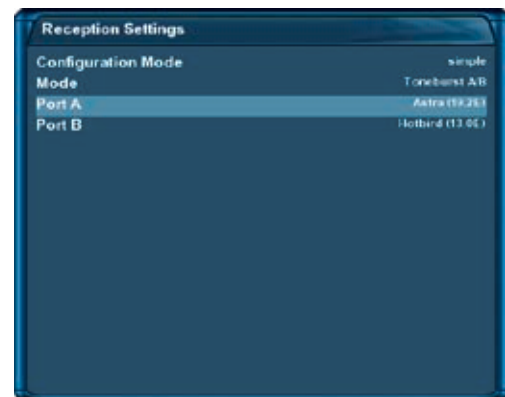
Use this type of configuration if you want to receive two satellites from one LNB each. It does not matter if you use one or two dishes to achieve this.

Connect the two coax cables from the two LNBs to a so-called Toneburst switch and connect the coax cable from the Toneburst switch to your Dreambox. Please read the section 11.1 DVB-S2 configuration to learn how to get into this menu.



The “Reception settings” menu will open up.

Use the **up/down-Buttons** to navigate to the “Mode” option and use the **left/right-Buttons** to select “Toneburst A/B”.



For Port A and Port B select the desired satellites just as described in the Single satellite – direct connection section.

Make sure you know which satellite is connected to which input on the Toneburst switch.

If you do not find any services in the transponder scan later, exchange the two satellites in this list and try again.

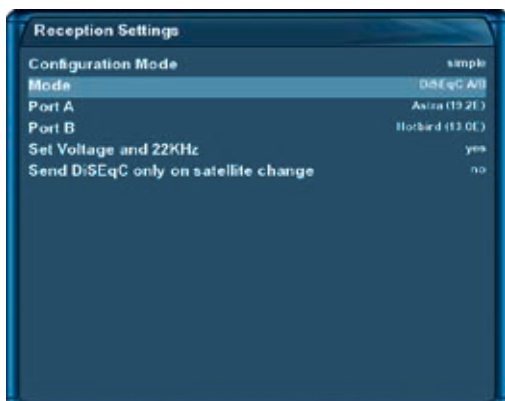
Press the OK-Button to save your settings.

11.1.3 Two satellites via DiSEqC A/B

Use this type of configuration if you want to receive two satellites from one Twin Universal or Quad Universal LNB. It does not matter if you use one or two dishes to achieve this.

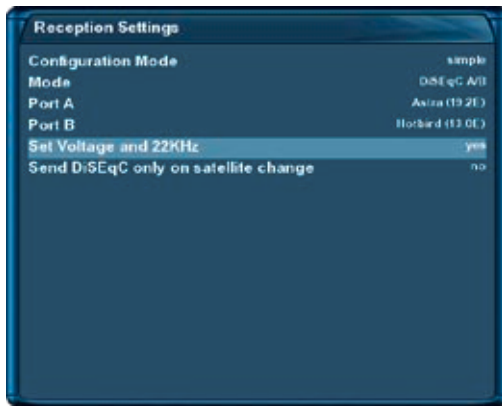
In this case the LNBs are connected to a so-called Multiswitch from which the signal is via coax cabled to the satellite receivers (Dreamboxes) in your household.

Please read the section 11.1 DVB-S2 configuration to learn how to get into this menu.



The “Reception settings” menu will open up.

Use the **up/down-Buttons** to navigate to the “Mode” option and use the **left/right-Buttons** to select “DiSEqC A/B”.



For Port A and Port B select the desired satellites just as described in the Single satellite – direct connection section.

Make sure you know which satellite is connected to which input on the Toneburst switch. If you do not find any services in the transponder scan later, exchange the two satellites in this list and try again.

Press the **OK-Button** to save your settings.

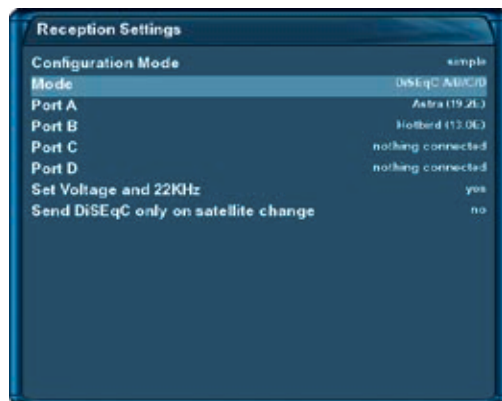
If you have trouble with “Tune failed” messages please set the “Send DiSEqC only on satellite change” and “Set voltage and 22KHz” to “yes”.

11.1.4 Four satellites via DiSEqC A/B/C/D

Use this type of configuration if you want to receive four satellites from one Single Universal or Twin Universal LNB for four or eight parties. It does not matter if you use one or two dishes to achieve this.

In this case the LNBs are connected to a so-called Multiswitch from which the signal is via coax cabled to the satellite receivers (Dreamboxes) in your household.

Please read the section 11.1 DVB-S2 configuration to learn how to get into this menu.



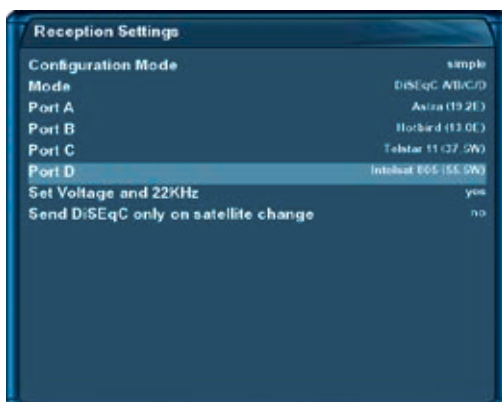
Four satellites via DiSEqC A/B/C/D (DVB-S)

The Reception settings menu will open up.

Use the up/down-Buttons to navigate to the

Mode option and use the **left/right-**

Buttons to select DiSEqC A/B/C/D.



For Ports A, B, C and D select the desired satellites just as described in the Single satellite – direct connection section.

Make sure you know which satellite is connected to which input on the Toneburst switch.

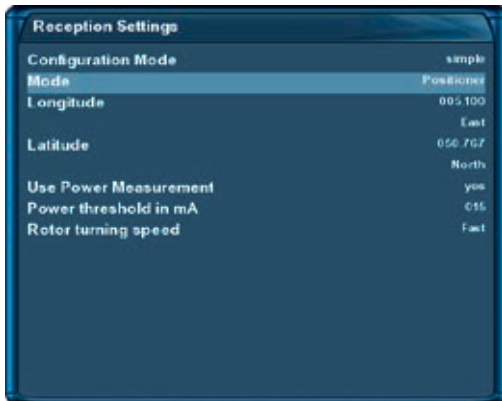
If you do not find any services in the transponder scan later, exchange the two satellites in this list and try again.

Press the OK-Button to save your settings.

11.1.5 Stab Positioner using USALS

Use this type of configuration if you want to receive many satellites with a Stab positioner from a Single Universal LNB. The coax cable is directly connected from you Dreambox to the LNB.

Please read the section 11.1 DVB-S2 configuration to learn how to get into this menu.

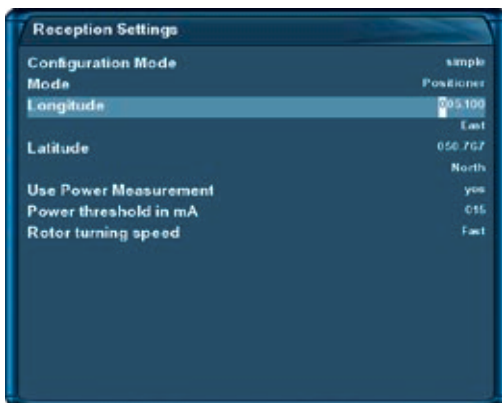


The “Reception settings” menu will open up.

Use the **up/down-Buttons** to navigate to the “Mode” option and use the **left/right-Buttons** to select “Positioner”.

This menu is meant for a Stab positioner. You only have to enter the geographical details of your residence.

At <http://www.heavens-above.com> you can find the coordinates of your residence.



The rest is done automatically by your Dreambox with build-in **USALS**.

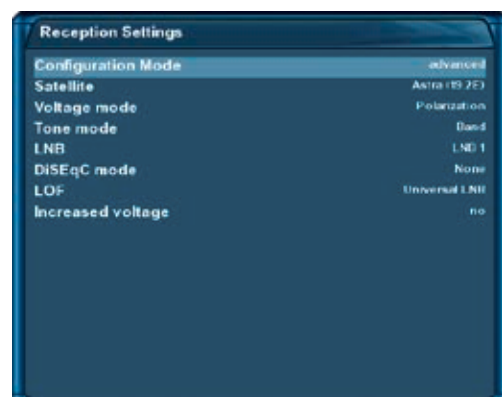
USALS is a model for calculating the position of all satellites in orbit with a margin of error less than 0.1 degrees. USALS was developed by the Stab company.

Everything is done automatically and does not require any technical know-how.

11.1.6 Stab Positioner without USALS

Use this type of configuration if you want to receive many satellites without a Stab positioner from a Single Universal LNB. The coax cable is directly connected from you Dreambox to the LNB.

Please read the section 11.1 DVB-S2 configuration to learn how to get into this menu.



The “Reception settings” menu will open up.

Using the **Navigations-Buttons left/right** to select the “advanced” configuration.

Navigate to the option “Satellite”. Use to the **Navigation-Buttons left and right** to select the desired satellite and.

Navigate to the option “Satellite” and press the **Navigation-Button right**.

Use the **up/down-Buttons** to navigate to the “Mode” option and use the **left/right-Buttons** to select “1.2”.



Navigate to the option “Use usals for this sat” and change the setting to “no” using the **Navigation-Buttons left and right**.

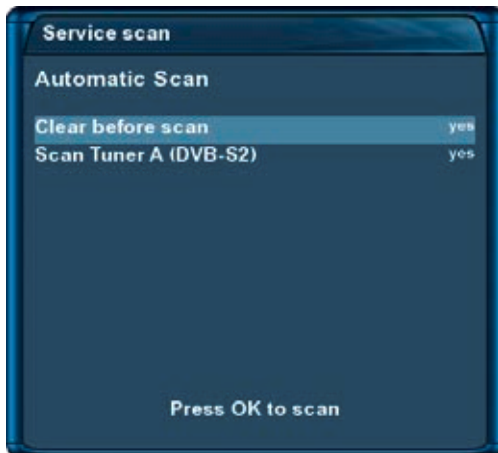
Navigate to the option “Stored position” and enter position of the selected satellite which is saved in the positioner by using the **Numeric Keypad**.

Refer to the instruction manual or your positioner for the number of the saved position.

11.2 Automatic scan

If no OSD menu is visible on your screen, press the Menu-Button to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the option “Service searching” and press the **OK-Button**.
 - The “Service searching” menu will open up.
2. Navigate to the option “Automatic scan” and press the **OK-Button**.
 - The “Automatic scan” menu will open up.
3. Use the Navigation-Buttons up and down to select the DVB-T Tuner and press the **OK-Button**.



Set the “Clear before scan” option to “Yes” if you want to delete all services before the scan starts.

Otherwise leave the setting to “No” which results in only new services being added to the channel list. To find the new services press the **Navigation-Buttons up/down** and afterwards the green Options-Button to access the “Satellites” view. You will find them under “New”.

Use the **Navigation-Buttons up/down** to select a tuner and the **Navigation-Buttons left/right** to enable or disable the scan for the selected tuner.

Press the **OK-Button** to start the scan for all tuners which option is set to “Yes”.



You can see the progress of the scan here.



The scan is done once you see this menu.

It shows how many channels were found during the scan.

Press the **OK-Button** to close this menu.

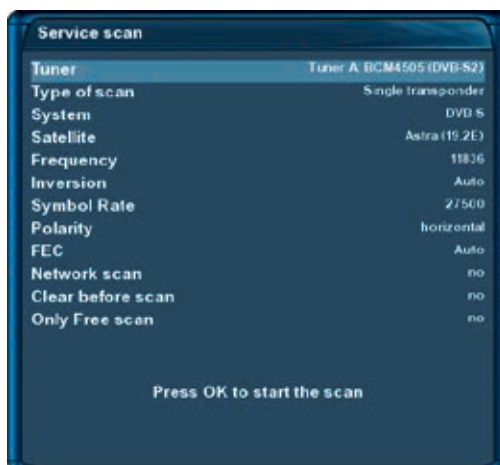
11.3 Manual scan

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the option “Service searching” and press the OK-Button.

- The “Service searching” menu will open up.

2. Navigate to the option “Manual scan” and press the **OK-Button**.



The “Service scan” menu will open up.

Use the Navigation-Buttons left/right to select the tuner on which you want to run the manual service scan.

All other options can be changed by using the Navigation-Buttons left/right and depend on the type of tuner that you want to run the scan on.

Press the OK-Button to start the manual scan.

12. Systeminformation

12.1 Service

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Information” and press the **OK-Button** to select.

1. Navigate to the option “Service” and press the OK-Button.

- The “Service” menu will open up.



This window shows detailed technical information about the current service.

Press one of the four **Options-Buttons** to get the following information:

red = Serviceinfo

green = PIDs

yellow = Transponder

blue = Tuner status

Press the **OK-Button** to close this menu.

12.2 About (Hard- and Software)

If no OSD menu is visible on your screen, press the Menu-Button to open the main OSD menu. Navigate to the option “Information” and press the **OK-Button** to select.

1. Navigate to the option “About” and press the OK-Button.

- The “About” menu will open up.



This window shows all relevant information about the Hard- and Software of your Dreambox.

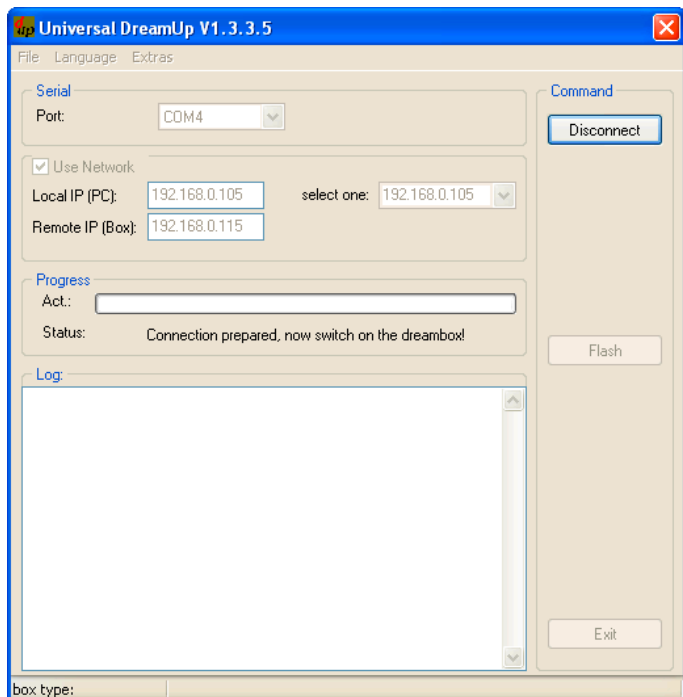
Press the OK-Button to close this menu.

13. Installing new software

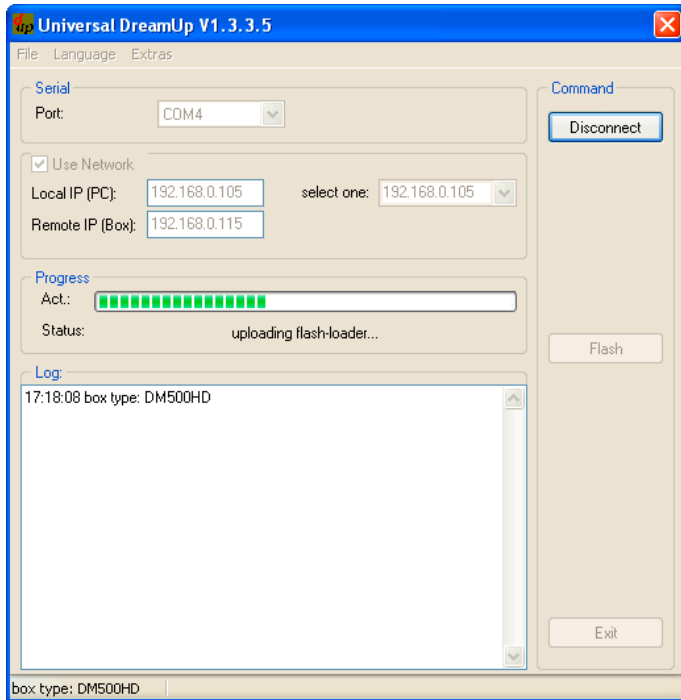
How do I install new software on my Dreambox DM500 HD?

Prerequisites:

- PC with Windows operating system
- DreamUP software (current version under <http://www.dream-multimedia-tv.de>)
- 1 Mini-USB cable
- 1 network cable (optional)



1. Disconnect your Dreambox from the power.
2. Connect the Mini-USB plug of your Mini-USB to USB cable to the service port of your Dreambox and the USB plug to your PC.
3. The PC will recognize your Dreambox as new hardware and ask for a driver. You will find the driver in the download section on our homepage. (www.dream-multimedia-tv.de) Please install the driver now.
4. Open the Windows device manager. In Windows XP this is done by clicking Start, Settings, System control, System, Hardware, Device manager.
5. Select **Ports (COM & LPT)** and look for **CP210x USB to UART Bridge Controller**. Keep the COM Port that is written in brackets behind this entry in mind. In this example it is: **(COM4)**.
6. Start the "DreamUp" software.
7. Set the **Port** option to the COM-Port you noted in step 5. It is **COM4** in our example.
8. Check the box in front of Use network if you have connected your Dreambox and PC using a network cable. The software update can be done without network support, but it takes at least 30 minutes.
9. Enter your PC's IP under **Local-IP (PC)** your Dreambox's IP under **Foreign-IP (Box)**.
10. Click on the Connect button and reconnect your Dreambox to main power.

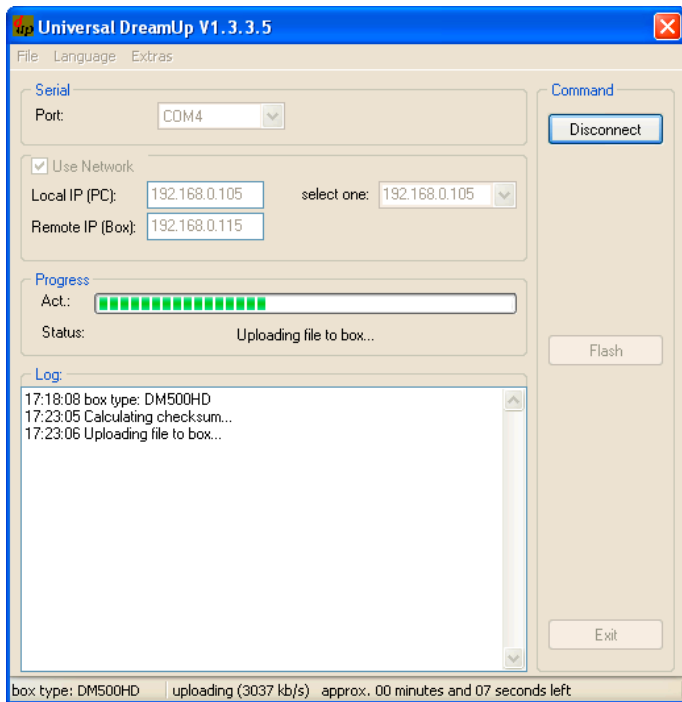


11. The flash loader will now be transferred to your Dreambox.

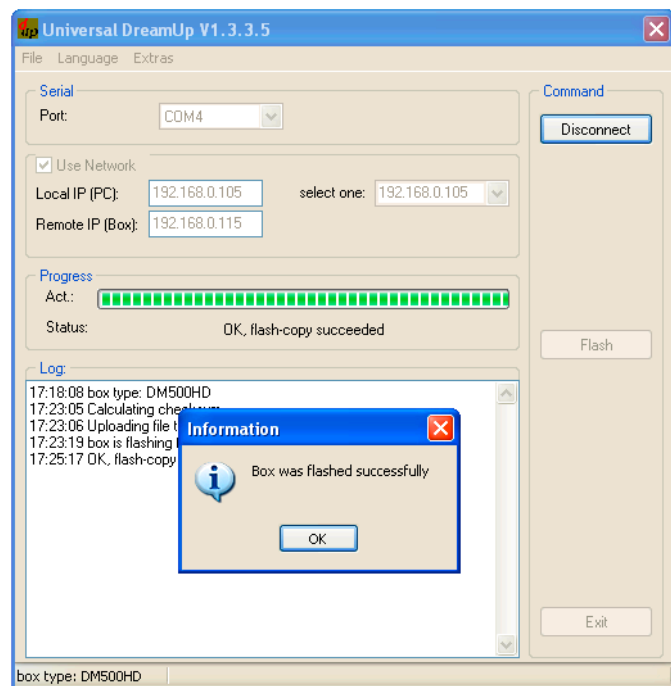


12. After the flash loader has been transferred to your Dreambox select the **Flash Box** Button in the DreamUp software.

Select the software image and click on the **Open** button.



13. The new software is now being transferred to your Dreambox.



14. If the process was successful you will get a **Box was flashed successfully** message.

15. Click on **OK** and on **Exit** afterwards.

16. Disconnect and reconnect your Dreambox from power.

14. Troubleshooting

Problem	Possible cause	Solution
No audio, no video	Faulty wiring	Check wiring and connections
	Faulty LNB	Exchange LNB
	Wrong Tuner setting	Review settings (see 11.1 DVB-S configuration)
	Dish aligned incorrectly	Realign dish
Beamlike blackouts in the video	Heavy rain or snow	Remove snow from dish
	Dish aligned incorrectly	Realign dish
	Dish is too small	Install larger dish
	An obstacle between dish and satellite (e.g. house or tree)	Reposition dish so it has a clear “view” towards the satellite
No reception on a channel that was working before	Dish aligned incorrectly or faulty	Check dish
	Channel is transmitted in a new slot	Start service scan (see chapter 11)
	The transmission of the channel was terminated	_____
Remote control is not working	Batteries are inserted incorrectly	Remove batteries and check polarity
	Batteries are empty	Insert new batteries
	Wrong remote control mode (Dream-Mode, TV-Mode)	Press Dream-Mode or TV-Mode button
	Software is not reacting	Reboot Dreambox
Dreambox does not react	Dreambox is locked up	Reboot Dreambox

15. TV-Mode setup

A four digit device code is selected from the device list and entered into the remote control.

The most recent device list can be found in the download center on our website.

Homepage: www.dream-multimedia-tv.de



15.1 Programming the remote control

- Press the TV-Mode-Button once.
- Press the SHIFT/Setup-Button for 3 seconds, the TV-Mode-Button will flash twice.
- Use the Numeric-Keypad to enter the four digit device code into the remote control.
The TV-Mode-Button will flash once for every digit you enter. Once you have entered all four digit the TV-Mode-Button will flash twice.
- The remote control exits the programming mode automatically.
- If no code is entered within 10 seconds the remote control will exit the programming mode automatically.

16. Technical data

- 400 MHz MIPS Prozessor
- Linux operating system
- MPEG2 / H.264 hardware decoding (DVB compliant)
- DVB-S2 Tuner
- 1x Smartcard-Reader (Dreamcrypt)
- HDMI
- 1x Scart-Output (RGB, FBAS or S-Video)
- 1 x Mini-USB Service Port
- S/P-DIF optical output
- 10/100 Mbit Ethernet Port
- analog modem
- 256 MByte RAM
- 64 MByte Flash
- external eSATA Connector
- unlimited channellist for TV/Radio
- channel change in less than one second
- automatic service searching
- supports bouquet lists
- EPG support (Electronic Program Guide)
- integrated teletext
- supports DiSEqC™ 1.0/1.1/1.2 and USALS
- OSD in many languages
- external 12V power supply

Additional info:

DVB/S2-Tuner:

Frequency range 950 2150 MHz

Demodulation DVB-S (QPSK); DVB-S2 (8PSK,QPSK)

Symbolrate DVB-S: 2 ... 45 Mbaud/s, SCPC/ MCPC

DVB-S2: 10 ... 31 Mbaud/s (8PSK) , 10 ... 30 Mbaud/s (QPSK)

Video decoder:

Video Compression MPEG-2 and MPEG-1 compliant, H.264

Picture format 4:3, 16:9

Letterbox for 4:3 TV sets

Audio decoder:

Audio compression MPEG-1 & MPEG-2 Layer I and II

Audio Mode Dual (main/sub), Stereo

Frequency: 32 kHz, 44.1 kHz, 48 kHz, 16 kHz, 22.05 kHz, 24 kHz

Analog out:

Outputlevel L/R 0,5 Vss at 600 Ohm

THD > 60 dB (1kHz)

Cross-talk < -65 dB

Digital out:

Outputlevel 0,5 Vss at 75 Ohm

Frequency 32 kHz, 44.1 kHz, 48kHz

S/P-DIF-output optical

Video out:

Outputlevel FBAS 1 Vss +/- 0.3 dB at 75 Ohm

Video parameters:

Inputlevel FBAS 1 Vss +/- 0.3 dB at 75 Ohm

Teletext according to ETS 300 427 standards

TV-Scart:

Output: FBAS, RGB, S-Video over OSD selectable

Mini-USB service port:

Function: Software update

Ethernet:

10/100 Mbit compliant network port

Function: Software update

Analog modem:

Analog modem for internet access

SATA Connectors:

External eSATA connector

LNB power and polarization per tuner:

LNB Current 500mA max. ; short-circuit-proof

LNB Voltage vertical < 14V without load, > 11,5V at 400mA LNB

Voltage horizontal < 20V without load, > 17,3V at 400mA LNB

shut-off at Standby-Mode

Count of active satellite positions:

DiSEqC™ 1.0/1.1/1.2 and USALS

Input voltage:

External power supply:

Input: 110-240V AC / 50-60Hz / 0,6A

Output: 12V = / 3A

Power consumption:

< 12W at 12V

< 1W Standby

General:

Ambient Temperature +15°C...+35°C

Humidity < 80%

Dimensions (W x D x H): 195 mm x 130 mm x 40 mm

Weight: 0.7 kg

17. Contact & support information

Headquarter & Distribution:

Dream-Multimedia GmbH
Pierbusch 24-26
44536 Lünen
Deutschland

Dealer's Hotline:

(Dealers only)

Tel.: +49 (0)180 - 3 44 11 30 992

Fax: +49 (0)180 - 3 44 11 30 993

0,09 €/min from german landline, mobile prices may vary

You can reach the dealer's hotline from :

Mo - Fr. 09:00 am - 15:00 pm

Enduser Hotline:

Tel.: +49 (0)180 - 3 44 11 30 990

Fax: +49 (0)180 - 3 44 11 30 991

0,09 €/min from german landline, mobile prices may vary

You can reach the enduser hotline from:

Mo - Fr. 09:00 am - 15:00 pm

Sales:

Tel.: +49 (0)180 - 3 44 11 30 994

Fax: +49 (0)180 - 3 44 11 30 995

0,09 €/min from german landline, mobile prices may vary

You can reach the sales hotline from:

Mo - Fr. 09:00 am - 15:00 pm

Dealers & Pricing:

E-Mail: info@dream-multimedia-tv.de

Technical Support:

E-Mail: support@dream-multimedia-tv.de

Website:

Weblink: <http://www.dream-multimedia-tv.de>

Support Forum:

Weblink: <http://www.dream-multimedia-tv.de/board>

Software Support (available software updates):

Weblink DM500 HD: <http://www.dm500hd.de>

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Version 2, June 1991

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END OF TERMS AND CONDITIONS

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Please fill out this form completely and return it to your dealer (= contractor)

Please write legible to ensure a quick and problem-free process!

If you do not attach a copy of your invoice no service will take place!

Please only send the defective parts without any accessories! - Leave the HDD installed!

Customer number:	_____	Returndate:	_____
Last name / Company:	_____	First name:	_____
Contact person:	_____	Phone:	_____
Street:	_____	Fax:	_____
Country/Zip/City:	_____	E-Mail:	_____
Returned device: DM (Type)	_____	Serial:	_____
Equipment (e.g. HDD):	_____	Soft-Ver.:	_____

Contact data:

Contact person: _____

Communication via.../at... : _____

Defect- / Jobdescription (Please write legible and detailed):

The job can only be completed if you add a detailed description of the defect.

A simple "defective" does not work and the device will be returned to you! So please be thorough!

Reason for return::

☐ Repair within warranty ☐ Repair with cost ☐ Other: _____

With my signature I agree that repairs up to 30€ will be done without consulting me. Without your signature the job will and can not be done!

Place, date, signature

NOTE: PLEASE PUT THE DREAMBOX INTO A PLASTIC BAG OR WRAP IT IN PLASTIC FOIL. THEN PUT IT INTO IT'S ORIGINAL PACKAGING IF POSSIBLE. OTHERWISE INTO A STURDY BOX. THIS PREVENTS SCRATCHES FROM THE TRANSPORT PROCESS. THANK YOU!